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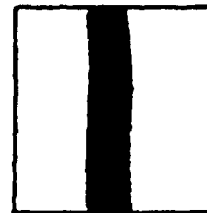
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**DATA PROCESSING BRANCH  
USAFETAC  
Air Weather Service ( MAC )**

**AWS TECHNICAL DIRECTORATE  
FL 4414  
SCOTT AFB, IL 62225**

**125 MAR 1981**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

MAUI OPTICAL SITE HI NORTH TOWER WBAN #00001

PARTS C, E-F  
POR FROM HOURLY OBS: NOV 77 - MAR 80, JUL - OCT 80

MAUI OPTICAL SITE HI SOUTH TOWER WBAN #00002

PARTS C  
POR FROM HOURLY OBS: DEC 77 - MAR 80, JUL 80 - AUG 80

**MAR 23 1981**

**FEDERAL BUILDING  
ASHEVILLE, N. C.**

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-81/048	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- MAUI OPTICAL SITE, MT HALEKUALIA, HAWAII		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 23 MAR 81
		13. NUMBER OF PAGES 455
		15. SECURITY CLASS (of this report) UNCLASSIFIED
		16. DECLASSIFICATION/DOWNGRADING SCHEDULE
17. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
21. SUMMARY (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for MAUI OPTICAL SITE, MT HALEKUALIA, HAWAII. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
\* HAWAII \* MAUI OPTICAL SITE
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

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U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in terms of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARIABLE.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		1.7	1.1	3.4	.6	.6						7.4	12.2
NNE		1.7	1.1	3.4		1.1	.6					7.0	13.6
NE		.6	2.3	5.1	1.1							9.1	12.1
NNE		.6	5.1	8.0	1.1	.6	.6					15.9	12.9
E			1.1	1.1	1.1							3.4	13.7
ESE	.6		.6	1.7								2.8	9.2
SE		.6	1.1									1.7	8.3
ESE		1.1										1.1	6.0
S			1.1	.6	.6	1.1						3.4	16.3
SSW	1.1	1.7	.6									3.4	5.3
SW		1.1	1.1	1.7	2.8	2.3	1.1	.6				10.8	18.7
WSW	.6	1.1	.6	1.7		1.1						5.1	13.0
W		2.3		2.8								5.1	10.1
WNW		1.7		2.3			.6					4.5	11.4
NW	.6	1.7	2.8	1.1	.6		1.1					8.0	11.9
NNW	.6	1.7	2.8	2.3	.6	1.7	.6					10.2	12.9
VARB													
CALM													
	3.4	17.6	21.6	35.2	8.5	8.5	4.5	.6				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS  
ALL WEATHER CLASS  
CONDITON

JAN MONTH  
0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	.6	.6		.6	1.2	1.2				6.4	17.5
NNE	.6	2.3	1.2	4.0		1.7						9.8	12.8
NE		1.2	3.5	4.6	1.2							10.4	11.4
ENE	.6	1.2	1.7	5.2	3.5	1.7						13.9	13.9
E		1.7	1.7		.6	.6						4.6	10.9
ESE		.6	1.2									1.7	4.3
SE			1.7	.6								2.3	9.0
SSE		1.2	.6	1.2		.6						3.5	11.7
S		1.2		.6	.6	.6						2.9	13.6
SSW	.6	2.3	.6	.6		.6						4.6	9.0
SW	.6	1.7		2.3	2.3	1.2						8.1	13.7
WSW		2.3	.6	3.5	1.2	.6	.6					8.7	13.4
W				2.3		.6						2.9	15.6
WNW	1.2	.6	1.2	.6	.6	.6						4.6	9.8
NW	.6	2.3	.6	2.3	1.2							6.9	10.4
NNW		1.7	2.3	2.9	1.7							8.7	11.4
VARB													
CALM													
	4.3	22.5	17.3	31.2	12.7	9.2	1.7	1.2				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE MT NORTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
0600-0800  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.6	1.8	1.8	1.8	2.4	.6	1.8				11.8	18.3
NNE		.6	1.8	3.0	.6	.6						6.5	12.3
NE			2.4	3.0	.6							5.9	12.2
NNE		2.4	3.0	4.7	1.2	.6	.6					12.4	12.4
E		1.2	3.6	4.1	2.4	.6						11.8	13.0
ESE			1.2									1.2	10.0
SE		1.2	.6				.6					2.4	13.0
SSE				1.2				.6	.6			2.4	26.5
S				.6		1.8						2.4	21.5
SSW			1.2	.6	.6							2.4	13.0
SW	1.8	1.2	1.8	3.6	2.4	1.8	.6					13.0	13.4
WSW	.6	2.4	1.2	1.2	1.2							6.5	9.3
W	.6	.6	.6	1.8	.6							4.1	10.7
WNW		1.2			.6							1.8	10.3
NW	1.2	.6	1.2	1.8	.6	.6						5.9	10.7
NNW	.6	1.8	3.0	2.4	1.8							9.5	10.9
VARBL													
CALM													
	5.9	13.6	23.1	29.6	14.2	8.3	2.8	2.8	.6			100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE MT NORTH TOWER 78-80 YEARS JAN MONTH  
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6		2.4	2.4	.6	.6		.6				7.1	13.8
NNE		.6	1.2	2.9	2.4	1.2						8.2	15.2
NE		.6	1.2	2.4	1.2	1.2						6.5	14.4
NNE	.6	1.8	2.9	3.5		1.2	.6					10.6	12.1
E	.6	.6	1.2	4.7	1.2	1.2						9.4	13.2
ESE			.6			.6						1.2	16.5
SE			1.8									1.8	9.3
SSE	.6			.6								1.2	8.5
S		1.8	.6		.6	.6						3.5	11.2
SSW	.6		1.2	.6	1.2	1.2						4.7	15.0
SW	.6	1.2	2.4	2.4	3.5							10.0	12.6
WSW	2.4	1.2	.6	2.9	1.2							8.2	9.1
W	1.8	1.2	1.2	1.8	1.2							7.1	9.0
WNW	.6		.6	1.8								2.9	10.4
NW	1.2	.6	4.7	2.9								9.4	9.1
NNW	.6	1.2	3.5	2.9								8.2	8.6
VARBL													
CALM													
	10.0	10.6	25.9	31.8	12.9	7.6	.6	.6				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 170



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS JAN MONTH  
1200-1400 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	2.2	1.7	.6							5.0	10.9
NNE		1.7	1.1	2.8	.6							6.1	10.3
NE		.6	2.8	3.9	.6	.6						8.4	12.2
ENE		.6	2.2	7.3	1.1	1.7						12.8	13.7
E		2.2	1.1	1.7	.6	1.1						6.7	12.3
ESE		.6		1.7	1.1							3.4	13.5
SE		.6	1.7	.6								2.8	8.0
SSE			1.1									1.1	10.0
S			.6		.6		.6					1.7	20.7
SSW				2.8								2.8	12.8
SW	1.1	.6	2.2	1.7	2.8	3.4	.6					12.8	16.9
WSW	.6	.6	.6		.6							2.2	6.8
W	2.2	2.2	.6	2.8								7.8	7.4
WW	.6	2.8	1.7	2.2	.6							7.8	8.9
NW	.6	2.2	2.8	3.4	1.1	.6						10.6	10.6
NNW		1.1	3.9	1.7	1.1							7.8	10.2
VARIABLE													
CALM													
	5.0	16.2	24.6	34.1	11.2	7.8	1.1					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUT OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS JAN MONTH  
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SP-480
N	.5		1.6	3.8	.5							6.6	11.7
NNE		.5	2.7	2.2	.5							6.3	10.9
NE	.5	1.1	4.9	3.8	1.1							11.5	10.3
NNE		.5	2.7	3.8	2.7	1.6						11.5	14.9
E			1.6	1.6	.5	.5						4.4	13.9
ESE				.5	.5	.5						1.6	20.3
SE	1.1	1.1		1.1		.5						3.8	9.3
SSE		1.6		1.1								2.7	7.8
S		1.1	.5	1.1								2.7	9.0
SSW				2.7	.5	.5						3.8	16.4
SW		.5	1.1	3.9	1.6	2.7						9.9	16.1
WSW	.5		.5		2.2							3.3	14.0
W	1.1	.5	.5	2.2	1.6							6.3	11.2
WNW	1.1	1.6	1.6	1.1	2.2							7.7	10.6
NW		2.7	4.4	4.4	1.1	.5						13.2	10.9
NNW		2.2	.5	1.6	.5							4.9	9.2
VADBL													
CALM													
	4.9	13.7	23.1	35.2	15.9	6.6	.5					120.0	12.2

TOTAL NUMBER OF OBSERVATIONS 182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

02001 MAUI OPTICAL SITE HT NORTH TOWER 78-80 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	.6	3.3	1.1	.6						6.7	12.7
NNE		.6	1.1	1.7	2.8							6.1	13.9
NE			2.2	3.9	1.1							7.2	12.5
NNE	1.1	.6	5.0	9.4	2.2							10.3	11.8
E		.6	2.2	3.3	1.1							7.2	12.1
ESE			.6	.6								1.1	10.0
SE	.6			.6	1.1							2.2	14.0
SSE	.6		.6									1.1	6.0
S	.6	1.7	1.7	1.1								5.2	7.7
SSW			.6	.6	1.7							2.8	15.8
SW		.6	1.1	3.3	2.8		1.1	.6				9.4	17.6
WSW	.6	.6	.6	1.7	.6	1.1	.6					5.6	15.3
W		1.1	.6	1.7	.6	2.2						6.1	15.7
WWW		2.2	1.1	1.1	.6	.6						5.6	10.9
NW	.6	.6	2.8	2.2	3.3	.6						10.2	13.1
NNW	.6	1.7		2.8	.6							3.6	9.8
VARB													
CALM													
	5.2	10.6	20.6	37.2	19.4	5.0	1.7	.6				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 7A-80 YEARS JAN MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.1	1.1	1.1	1.7							5.0	11.6
NNE	.6		1.1	1.9	.6							6.1	11.6
NE		.6	2.8	7.8	1.7	.6						13.3	12.6
ENE		.6	6.1	5.6	.6	1.1						13.9	11.8
E			1.7	3.3	.6							5.6	11.7
ESE						1.7						1.7	24.0
SE	.6	1.1		.6	.6							2.8	9.8
SSE			1.1	.6		.6						2.2	14.0
S		.6	2.2	.6								3.3	8.3
SSW	.6			1.1	.6	.6						2.8	14.6
SW			1.1	1.9	2.8	2.2	.6					10.6	17.7
WSW	.6	1.1	1.1	2.2	1.7							6.7	11.0
W		1.1	1.7	1.7	1.7							6.1	11.6
WNW	1.7	1.1	.6	.6	.6	1.1						5.6	10.9
NW		2.2	2.2	.6	1.1	1.1						7.2	12.0
NNW		2.2	1.1	2.8		1.1						7.2	12.2
VARBL													
CALM													
	3.9	11.7	23.9	36.1	13.9	10.0	.6					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 180

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00001 MAINT OPTICAL SITE MT NORTH TOWER 78-80 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.9	1.4	2.3	.9	.6	.2	.4				7.0	14.0
NNE	.1	1.0	1.4	3.0	.9	.6	.1					7.1	12.7
NE	.1	.6	2.8	4.3	1.1	.3						9.1	12.0
NNE	.3	1.0	3.6	6.0	1.6	1.1	.2					13.7	12.9
E	.1	.8	1.8	2.5	1.0	.5						6.6	12.6
ESE	.1	.1	.5	.6	.2	.3	.1					1.9	13.8
SE	.3	.6	.9	.4	.2	.1	.1					2.5	10.0
SSE	.1	.5	.4	.6		.1		.1	.1			1.9	12.3
S	.1	.8	.9	.6	.3	.5	.1					3.1	12.4
SSW	.4	.5	.5	1.1	.6	.4						3.4	12.6
SW	.5	.9	1.3	2.8	2.6	1.8	.5	.1				10.6	15.9
WSW	.7	1.1	.7	1.6	1.1	.4	.1					5.7	11.7
W	.7	1.1	.6	2.1	.7	.4						5.7	11.0
WNW	.6	1.4	.9	1.2	.6	.3	.1					5.1	10.3
NW	.6	1.6	2.7	2.3	1.1	.4	.1					8.9	11.1
NNW	.3	1.7	2.1	2.4	.8	.4	.1					7.7	10.8
VARB													
CALM													
	5.3	14.5	22.5	33.9	13.6	7.9	1.6	.6	.1			100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 1479

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 MONTH FEB  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	.5	.5	1.5	1.0								3.4	8.1
NNE		1.5		1.5		.5						3.4	11.4
NE		1.0	1.0	1.0	1.0	.5						4.4	12.0
ENE		.5	4.4	2.9	1.0							8.9	11.6
E		.5	2.9	2.9	.5							6.8	10.3
ESE	.5		2.9									3.4	7.7
SE		1.5	2.9	2.0	.5	2.4	.5					9.8	13.7
SSE			.5	1.5	2.0	.5	.5	1.0				5.9	20.8
S	1.0	.5			1.0							2.4	10.0
SSW	.5	1.0	.5	1.0								2.9	8.2
SW		1.5	2.0	3.9	1.5	2.0	.5					10.7	14.9
WSW	.5	.5	1.0	2.4	2.4	.5	1.5	.5				9.3	17.5
W		2.0	1.0	1.0								3.9	8.1
WWW		2.0	2.9	3.9	.5		.5					9.8	11.2
NW		.5	2.0	3.9	1.5	2.0	.5	.5				10.2	16.5
NNW		.5	2.0	2.0	.5							4.9	11.1
VARB													
CALM													
	2.9	13.7	27.3	29.8	12.2	8.3	3.9	2.0				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 205

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HI NORTH TOWER 78-80 YEARS FEB MONTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.5	.5								1.5	8.3
NNE		.5	1.0	1.0	.5							2.9	10.8
NE		.5	2.4	2.0	1.0							5.9	11.4
ENE		1.0	.5	1.0	3.4	.5						6.3	14.5
E		.5	2.4	2.0								4.9	9.7
ESE		2.0	2.4	1.5								5.9	9.0
SE	.5	2.9	1.0	1.0		2.0	1.0					8.3	13.8
SSE	.5	.5	1.5	1.5	1.0	1.0	.5	1.0				7.3	17.5
S		1.0	2.0	1.5	1.0							5.4	11.2
SSW		1.0		.5	1.0	.5	.5					3.4	17.3
SW	.5	.5	2.0	3.9	4.9	2.4						14.1	15.8
WSW		.5	.5	.5	1.5	1.5						4.4	17.3
W	.5	1.0	2.4	.5	.5	.5						5.4	9.6
WNW	.5	1.5	1.5	2.4	2.0			.5				8.3	12.9
NW	1.0	.5	2.9	2.0	2.9	1.0	1.0					11.2	14.7
NNW	1.0	.5	1.0	2.0	.5							4.9	10.3
VARBL													
CALM													
	4.4	14.6	23.9	23.4	20.0	9.3	2.9	1.5				100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 205

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS FEB MONTH

ALL WEATHER  
CLASS  
CONDITION

0600-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N			2.4	2.4	.5							5.2	12.5
NNE	.5		1.4	.9		.5						3.3	10.9
NE		.5	.5		.5							1.4	11.7
NNE		1.9	3.8	3.3	1.4							10.4	10.7
E			1.9	4.3	.9	.5						7.6	13.9
ESE			.9		.5							1.4	11.7
SE		.9	2.8	.5	.9		.5					5.7	12.4
SSE			.5	1.9	1.9	.9		.5				5.7	18.5
S		.9	.9	1.4	.9	.9						5.2	14.3
SSW			.9		1.4	1.4						3.8	17.9
SW		.5	2.8	4.7	4.7	1.4	2.4	.5				17.1	17.8
WSW			1.9	2.4	.9							5.2	12.1
W		1.9	1.9									3.8	6.6
WNW	.5	1.4	.9	3.3	.9							7.1	11.3
NW	1.4	.9	1.4	3.8	3.8	1.9	.5					13.7	14.9
NNW			.5	1.9	.9							3.3	14.3
VARBL													
CALM													
	2.4	9.0	25.6	30.8	20.4	7.6	3.3	.9				100.0	13.9

TOTAL NUMBER OF OBSERVATIONS 211



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		1.0	1.9	2.4								5.3	9.8
NNE		1.0	1.4	.5								2.9	8.2
NE		1.0	2.4	1.0								4.3	8.7
ENE		1.0	3.3	4.8	1.0							10.0	11.1
E		.5	2.4	2.4	1.4	1.0						7.7	13.7
ESE			1.9	1.4	1.0							4.3	11.8
SE			1.9	1.4	.5		.5					4.3	13.6
SSE			.5	2.9	1.9	1.0	.5					6.7	17.2
S			.5	.5	1.4	1.0		1.0				4.3	23.1
SSW		1.9	.5	1.4	1.0	1.4	.5					6.7	15.1
SW		.5	3.8	2.9	3.8	1.9	1.4	.5				14.8	16.9
WSW	.5	.5	1.4	2.4	1.4							6.2	12.5
W	1.0	2.4	1.0	.5	.5							5.3	7.4
WNW		.5	1.4		.5	1.4						3.8	15.3
NW	1.4	.5	3.3	2.4	1.9	1.4	.5					11.5	13.1
NNW		.5	.5	.5	.5							1.9	10.8
VARB													
CALM													
	2.9	11.0	28.2	27.3	16.7	9.1	3.3	1.4				100.0	13.5

TOTAL NUMBER OF OBSERVATIONS

209

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 STATION NAME MAUI OPTICAL SITE HI NORTH TOWER YEARS 78-80 FEB MONTH  
CLASS ALL WEATHER 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		.5	.9	1.4	.5							3.3	10.7
NNE	.5	1.9	2.3									4.7	6.3
NE	.5	.5	3.7	1.4								6.1	8.7
NNE	.5	.5	2.3	1.9	.9							6.1	10.5
E			1.9	1.9	.9							4.7	12.5
ESE		.5	.9	1.4	.9	.5						4.2	13.3
SE		.5	.9	.9	.5	.5						3.3	13.4
SSE			.5	1.4	1.4	1.4	.5	.5				5.6	20.5
S	.5	.5	.9	1.4	.5	.5	.5					4.7	13.8
SSW		.9	.5	1.9	.9							4.2	12.1
SW	.9	1.4	2.3	1.9	2.8	.5	2.3	.9				13.1	16.6
WSW		.9	2.8	.9	1.4	.5	1.4					7.9	14.8
W	.5	1.9	1.9	2.3	.5	.5						7.5	9.8
WNW	1.4	.9	.9	2.3								5.6	9.0
NW	.9	3.3	2.3	1.9	.9	2.3	1.9	.5				14.0	14.7
NNW	.5	1.4	1.9	.5	.5	.5						5.1	10.3
VARS													
CALM													
	6.1	15.4	27.1	23.4	12.6	7.0	6.5	1.9				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 MAUT OPTICAL SITE HI NORTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
FEB  
MONTH  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	1.4	2.8								5.2	10.5
NNE		1.4	.9	.5								2.8	8.7
NE	.2	.9	2.8	1.4								6.1	8.8
NNE		1.9	3.8	3.3								8.9	9.0
E		.5	2.3	.9	.5	.5						4.7	11.9
ESE		.9	.9	.9								2.8	9.0
SE		.5	.9	.5		.5		.5				2.8	15.5
SSE	.5			1.9	1.9	1.4	.5	.5				5.6	19.6
S			.9	.9	1.4							3.3	14.9
SSW	.5		.9	1.4		.5						3.3	12.0
SW	.9	.9	2.3	2.8	3.3	2.3						12.7	14.3
WSW	.5	.9	1.9	1.9	.9	.5		.5				7.0	13.1
W	.5	1.9	2.8	3.3	.9	.5	.5					10.3	11.8
WNW	.5	1.9	4.2	2.8	1.9	.5						11.7	10.9
NW	.5	1.4	1.4	2.3	.9	1.9	.9					9.4	14.7
NNW			.5	.9		.9						2.3	16.2
VARBL													
CALM													
	5.2	13.6	28.2	28.6	11.7	9.4	1.9	1.4				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		.5	1.0	1.4	1.0							3.8	12.6
NNE		1.9	1.0	1.0	.5	.5						4.8	10.4
NE	.5	.5	1.0	3.3								5.2	10.6
NNE			5.7	2.9								8.6	9.4
E		1.0	1.5	1.0								3.8	9.3
ESE			1.4	1.9	1.0							4.3	13.3
SE	.5		1.0	2.4	.5	.5						4.8	12.7
SSE		1.4	1.0	1.9	1.0	1.4						6.7	14.1
S	1.0	.5	1.4	2.4	1.0							6.2	11.0
SSW		.5		.5	.5	.5						1.9	14.3
SW	.5	1.4	1.9	1.9	1.9	2.9	.5					11.0	15.7
WSW	1.0	1.0	1.0	3.3	1.0	.5						7.6	11.8
W		.5	1.9	1.4	2.4	1.0	.5					7.6	15.9
WNW			1.4	2.4	.5	1.0						5.2	13.5
NW		.5	2.4	5.7	1.9	2.4	1.0					13.8	15.7
NNW	1.0	1.0	1.0	1.4	.5							4.8	9.3
VABDL													
CALM													
	4.3	10.5	24.8	34.8	13.3	10.5	1.9					100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 210

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUT OPTICAL SITE MT NORTH TOWER 78-80 YEARS FEB MONTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	.5	1.0								2.4	9.4
NNE		.5	1.9	1.4								3.8	9.4
NE		.5	1.0	1.9	1.4							4.8	14.3
ENE		1.9	6.2	3.4	.5							12.0	9.9
E	1.0	.5	2.4	2.9		.5						7.2	10.5
ESE		1.0	1.9		.5	.5						3.8	11.4
SE		1.0	.5	.5	1.9	1.0						4.8	16.1
SSE		1.0	1.9		.5			1.0				4.3	14.6
S	1.0		.5	2.9	1.4	.5						6.2	13.1
SSW			1.0	1.0	.5		.5					2.9	15.5
SW		1.0	1.4	3.4	3.4	1.0						10.1	14.9
WSW		1.0	1.0	2.4	1.0	.5						5.8	13.3
W		1.0	1.4		1.0	1.0	.5					4.8	14.2
WNW		.5	2.4	2.9	1.0	1.4						8.2	13.8
NW			4.3	2.9	1.0	1.9	1.9					12.0	16.9
NNW		1.4	.5	4.3	.5							6.7	12.4
VARS													
CALM													
	1.9	12.0	28.8	30.8	14.8	8.2	2.9	1.0				100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 208

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.V.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.5	1.3	1.6	.2							3.8	10.6
NNE	.1	1.1	1.3	.8	.1	.2						3.6	9.4
NE	.2	.7	1.9	1.5	.5	.1						4.8	10.6
ENE	.1	1.1	3.8	2.9	1.0	.1						8.9	10.6
E	.1	.4	2.3	2.3	.5	.3						5.9	11.7
ESE	.1	.5	1.7	.9	.5	.1						3.8	10.9
SE	.1	.9	1.5	1.1	.6	.8	.3	.1				5.4	13.8
SSE	.1	.4	.8	1.6	1.4	1.0	.3	.5				6.1	17.9
S	.4	.4	.9	1.4	1.1	.4	.1	.1				4.7	13.8
SSW	.1	.7	.5	1.0	.7	.5	.2					3.6	14.2
SW	.4	1.0	2.3	3.1	3.3	1.8	.9	.2				13.0	16.0
WSW	.3	.7	1.4	2.0	1.3	.5	.4	.1				6.7	14.1
W	.3	1.6	1.8	1.1	.7	.4	.2					6.1	11.0
WNW	.4	1.1	2.0	2.5	.9	.5	.1	.1				7.5	12.0
NW	.7	1.0	2.5	3.0	1.9	1.9	1.0	.1				12.0	15.2
NNW	.3	.7	1.0	1.7	.5	.2						4.2	11.5
VABSL													
CALM													
	3.8	12.5	26.7	28.6	15.2	8.7	3.3	1.3				100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 1675

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001  
STATION

MAUI OPTICAL SITE MT NORTH TOWER  
STATION NAME

76-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.6	.6	2.3	.6							5.1	10.7
NNE	.6		.6	.6	.6							2.3	9.5
NE	.6	3.4	3.4	4.0		1.1						12.5	10.4
NNE	.6	2.3	9.7	5.1	1.1	1.7						20.5	11.4
E	.6	.6	2.3	4.0	4.5	1.7						13.6	14.3
ESE		.6	.6	2.8	1.7	2.3						8.0	17.2
SE	.6	.6	.6	1.1								2.8	8.8
SSE		1.1	.6									1.7	6.3
S	.6	1.1	.6									2.3	5.5
SSW	1.1	.6	.6		.6	1.1	1.1					5.1	16.0
SW		.6		.6		.6	.6	.6	.6			3.4	25.0
WSW		1.1				1.1	.6					2.8	17.8
W	.6		1.1	1.1			.6					3.4	12.7
WNW	.6	.6	.6	.6								2.3	6.5
NW	.6		1.1	1.1	2.3							5.1	13.4
NNW		1.7	1.7	4.5	1.1							9.1	10.9
VARBL													
CALM													
	7.4	14.8	23.9	27.8	12.5	9.7	2.8	.6	.6			100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAR MONTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0300-0500  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.6	1.7	.6	.6							4.6	8.8
NNE		.6	2.9		.6							4.0	10.0
NE		.6	2.3	3.5		.6						6.9	11.8
ENE		3.5	6.4	5.2	3.5	1.7						20.2	11.9
E	.6	.6	2.3	4.6	2.3	1.7						12.1	13.8
ESE	.6	2.9	1.7	2.3	1.7	2.9	.6					12.7	15.1
SE		.6	3.5	.6		.6						5.2	9.7
SSE	.6		.6									1.2	4.5
S	.6											.6	2.0
SSW		.6	1.2			1.2		1.7				4.6	22.1
SW			.6			.6	1.2					2.3	23.8
WSW	.6				.6	1.7						2.9	19.6
W	1.7	.6	.6		.6	.6	.6					4.6	11.5
WNW	.6	1.2	.6	.6		.6						2.9	7.4
NW	1.2	1.2	.6	.6	2.9	.6						6.9	12.3
NNW		.6	2.9	4.0	.6							8.1	11.7
VARIABLE													
CALM													
	7.5	13.3	27.7	22.0	13.3	12.1	2.3	1.7				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 173



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAR MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.2	2.9	4.6								8.7	10.1
NNE		1.2	2.3	2.3								5.8	10.5
NE	1.2		.6	1.2	2.3	1.2						6.4	15.0
NNE	1.2	1.7	2.9	5.2	1.7	1.7						14.5	12.4
E		4.6	6.9	3.5	1.7	.6	.6					17.3	10.8
ESE	.6	2.3	5.2	2.9	2.9	1.7						15.6	12.1
SE	.6	.6	2.3	.6	.6							4.6	9.8
SSE	.6		1.2									1.7	5.7
S			.6									.6	7.0
SSW					.6	1.2	.6					2.3	30.5
SW	.6	.6				2.3						3.5	20.7
WSW		1.2			1.2	.6						2.9	18.0
W		1.2			.6	.6		.6				2.9	18.6
WNW	1.2	.6			1.7							3.5	10.7
NW	.6	1.2	.6	2.3	2.3							6.9	12.3
NNW			.6	2.3								2.9	11.6
VARBL													
CALM													
	6.9	15.6	26.7	24.3	13.9	7.5	8.6	1.2				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

02001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
MAR MONTH  
0900-1100 HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	1.7	1.7	.6	2.8	2.3	.6						9.7	11.5
NNE	.6	1.1	1.7	.6	1.1							5.1	9.3
NE	.6	2.8	2.3	1.7	2.8	.6						10.8	10.9
NNE	.6	1.1	3.4	2.8	1.1	1.7						10.8	12.7
E		1.7	1.7	6.8	1.1	.6						11.9	13.1
ESE		1.7	.6	4.5	1.7	2.8						11.4	15.5
SE	.6	.6	1.7	.6	1.1	.6						5.1	12.1
SSE	.6	1.1	1.7									3.4	5.3
S	.6		.6		.6		.6					2.3	14.5
SSW			.6	.6				1.1	.6			2.8	29.2
SW	.6					1.1	.6	.6				2.8	24.8
WSW					1.1		.6					1.7	22.0
W	1.1			.6								1.7	6.3
WWW	3.4	1.1	.6	1.7								6.8	6.5
NW	1.7	.6	2.3	2.3		1.7						8.5	12.1
NNW	2.3	1.7	.6		.6							5.1	6.2
VARB													
CALM													
	14.2	15.3	18.2	25.0	13.6	9.7	1.7	1.7	.6			110.0	12.4

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUI OPTICAL SITE MT NORTH TOWER STATION NAME 74-79 YEARS MAR MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	.6	1.7	2.2	.6						5.6	14.3
NNE		3.4	3.9	1.1								8.4	7.9
NE			6.2	2.2	1.1	.6						10.1	11.0
NNE		1.7	1.1	2.8	3.4	1.7						10.7	14.7
E	.6	2.2	2.8	3.9	2.8	1.1						13.5	12.9
ESE	.6	1.1	1.7	2.8	.6	2.8						9.4	14.2
SE	.6		1.1			.6						2.2	11.0
SSE	1.1	1.7	1.1									3.9	5.1
S	.6		1.1			.6						2.2	11.0
SSW		.6		.6		.6		.6				2.2	20.5
SW		.6	.6	.6			1.1	1.7	.6			5.1	26.1
WSW	.5	.6	.6									1.7	5.7
W	1.1	2.2	1.1		.6							5.1	6.7
WNW	1.7	.6	1.1	1.1								5.1	8.6
NW		2.8	1.1	2.2	.6	1.7						8.4	12.3
NNW	.6	1.1	1.1	2.8	.6							6.2	10.3
VARIABLE													
CALM													
	7.3	19.1	25.3	21.9	11.8	10.1	1.7	2.2	.6			100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 178

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS MAR MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.1	2.2	1.1	.6							5.0	9.2
NNE		1.7	.6	2.2	.6							5.0	10.0
NE	.6	1.1	7.3	1.7	1.1	.6						12.3	10.2
ENE	.6	.6	2.8	2.2	2.2	1.1						9.5	13.0
E	.6		1.7	3.4	5.0	1.1						11.7	15.5
ESE			.6	1.7		2.8						5.0	19.6
SE			1.7		.6							2.2	11.5
SSE		1.7	1.1									2.8	6.6
S		.6										.6	4.0
SSW		1.1		.6		1.7				.6		3.9	22.0
SW	1.1	3.9	1.1	1.1			.6	1.7	.6			10.1	15.1
WSW	.6	1.1						.6				2.2	12.0
W	1.1	1.1										2.2	3.3
WNW		2.2	1.1	1.1		.6		.6				5.6	12.1
NW	1.1	2.8	.6	3.4	1.1	1.1						10.1	11.2
NNW	.6	2.2	3.4	2.2	2.2	.6						11.2	10.9
VARB													
CALM												.6	
	6.1	21.2	24.0	20.7	13.8	9.5	.6	2.8	.6	.6		100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 179

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 78-79 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
HAP MONTH 1800-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.7	4.0	4.5	.6	.6						11.9	11.0
NNE		.1	2.3	1.1								4.5	9.3
NE	.6		4.5	2.8		1.7						9.7	11.9
NNE		1.7	4.5	4.5	2.3	1.1						14.2	12.0
E		1.1	2.3	4.0	2.3	3.4						13.1	15.7
ESE		.6		1.1	1.7	.6						4.0	16.7
SE	1.1	1.7		1.7		.6						5.1	9.2
SSE	1.1		1.1	.6								2.8	6.8
S	.6	.6	.6									1.7	5.3
SSW	1.7	1.1				2.3	.6					5.7	14.7
SW	1.7	.6	1.7	.6			1.1	2.3				8.2	18.4
WSW							.6					.6	26.0
W	1.7	1.1										2.8	3.8
WNW	1.1			1.1		.6	.6					3.4	13.8
NW	1.7	1.1	3.4		2.3							8.5	10.3
NNW		.6	.6	.6	.6	1.7						4.0	17.1
VABL													
CALM													
	11.9	13.1	25.0	22.7	9.7	12.5	2.8	2.3				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAR MONTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		.6		2.3	1.1	1.1						5.1	16.1
NNE		1.1	1.7	2.8								5.6	10.1
NE		1.1	2.8	2.8	.6	1.7						9.0	12.8
ENE		2.3	6.2	6.2	2.8	.6						18.1	11.9
E		1.1	2.8	5.1	2.8	.6	1.1					13.6	14.6
ESE		.6	1.7	.6	1.1	2.3	.6					6.8	17.3
SE		1.1	1.1	1.7	1.1							5.1	11.1
SSE	.6	1.1										1.7	4.0
S	.6	.6										1.1	4.0
SSW		2.3	.6			1.1	1.1	.6				5.6	16.9
SW			1.1	.6		1.1	.6	1.1				4.5	21.8
WSW		.6					.6		.6			1.7	24.7
W	.6	1.1	.6									2.3	5.0
WNW	1.7	.6	.6									2.8	4.4
NW	1.7	.6	1.1	.6	3.4							7.3	11.9
NNW	1.1	3.4	1.7	1.1	2.3							9.6	9.9
VARBL													
CALM													
	6.2	18.1	22.0	23.7	15.3	8.5	8.0	1.7	.6			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 177

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HT NORTH TOWER 78-80 YEARS MAP MONTH ALL CLASS ALL HOURS (L.S.T.) CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	1.6	2.4	1.0	.4						7.2	11.4
NNE	.1	1.3	2.0	1.3	.4							5.1	9.4
NE	.4	1.1	3.7	2.5	1.0	1.0						9.7	11.5
ENE	.4	1.8	4.6	4.3	2.3	1.4						14.8	12.3
E	.3	1.4	2.8	4.4	2.8	1.3	.2					13.4	13.7
ESE	.2	1.2	1.5	2.3	1.4	2.3	.1					9.1	15.2
SE	.4	.6	1.5	.8	.4	.3						4.0	10.4
SSE	.6	.9	.9	.1								2.4	5.6
S	.4	.4	.4		.1	.1	.1					1.4	8.1
SSW	.4	.8	.4	.2	.1	1.1	.5	.6	.1	.1		4.0	20.0
SW	.5	.8	.6	.4		.4	1.0	1.0	.2			5.0	20.5
WSW	.2	.6	.1		.2	.5	.4	.1	.1			2.1	17.6
W	1.0	.9	.4	.2	.2	.1	.1	.1				3.1	8.9
WNW	1.3	.9	.6	.8	.2	.1	.1	.1				4.0	8.9
NW	1.1	1.3	1.3	1.6	1.8	.6						7.7	11.9
NNW	.6	1.4	1.6	2.2	1.0	.3						7.2	10.8
VARB													
CALM												.1	
	8.5	16.3	24.0	23.5	12.0	9.9	2.6	1.8	.4	.1		170.0	12.6

TOTAL NUMBER OF OBSERVATIONS 1408

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS APR MONTH  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7	.7									1.5	7.5
NE			3.7	2.2								5.9	9.9
NNE		1.5	5.9	6.7	3.7	.7	.7					19.3	13.2
E			2.2	5.2	3.7	.7						11.9	14.7
ESE		1.5	1.5	.7	.7							4.4	9.7
SE			.7	2.2								3.0	11.5
SSE			.7	3.0	.7							4.4	14.0
S			.7		2.2	.7	1.5	.7				5.9	23.3
SSW		.7		3.7	3.7	1.5	.7					10.4	17.4
SW		2.2	1.5	5.2	3.0							11.9	13.1
WSW	1.5	.7	1.5		.7	1.5						5.9	12.4
W	1.5		.7	2.2		.7						5.2	11.6
WNW					.7							.7	20.0
NW	2.2	1.5	1.5	.7	.7							6.7	7.4
NNW		1.5	1.5									3.0	6.8
VABSL													
CALM													
	5.2	10.4	23.0	31.8	20.0	5.9	3.0	.7				100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 135



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS  
APR MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5		.7								3.0	5.8
NNE		.7										.7	6.0
NE	.7	1.5		1.5								3.7	7.8
NNE		3.7	6.7	2.2	6.7	1.5						20.7	13.0
E			2.2	4.4	3.0							9.6	13.6
ESE			.7		.7							1.5	13.0
SE	.7	1.5		1.5	.7							4.4	10.5
SSE			1.5	3.7			.7		.7			6.7	16.8
S			.7	1.5	1.5		1.5					5.2	19.6
SSW	.7			1.5	3.7	2.2	.7					8.1	19.3
SW	2.2	.7	2.2	5.2	3.0	.7						14.1	11.8
WSW		.7	3.0	1.5	.7							5.9	9.6
W	1.5		.7	1.5	.7	.7	.7					5.9	13.9
WNW	.7		.7									1.5	5.0
NW	.7	1.5	.7		2.2							5.2	11.1
NNW		.7	1.5	1.5								3.7	8.2
VARBL													
CALA													
	8.1	12.6	20.7	26.7	22.2	5.2	3.7		.7			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 135

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS APR MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

SPEED (KMTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.5	1.5								4.5	8.5
NNE		.7		.7								1.5	8.0
NE		2.2	5.2	3.0								10.4	8.6
ENE		1.5	6.7	2.2	3.7	2.2	1.5					17.9	14.7
E	.7		.7	3.7	1.5	1.5	.7					9.0	17.3
ESE	.7			.7								1.5	8.0
SE				.7	2.2	.7						3.7	19.8
SSE			1.5	1.5								3.0	11.0
S				2.2	3.7	1.5		.7				8.2	19.6
SSW			.7	.7	1.5	2.2	.7					6.0	19.9
SW	.7	.7	3.0	1.5		3.7	.7					10.4	15.9
WSW		2.2	.7	5.2	.7							9.0	11.0
W	1.5	.7	1.5	.7		2.2						6.7	12.9
WNW	.7		.7									1.5	6.0
NW			2.2									2.2	9.3
NNW	.7	.7	2.2	.7								4.5	8.3
VABM													
CALM													
	6.0	9.7	26.9	25.8	13.8	18.2	3.7	.7				100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 134

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00001 MAUT OPTICAL SITE MT NORTH TOWER STATION NAME 78-79 YEARS APR MONTH 0900-1100 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	1.6	1.6								3.9	8.4
NNE	.8			.8								1.6	8.5
NE		.8	3.9	4.7								9.3	10.3
NNE			3.1	7.8	2.3	1.6	.8					15.5	14.6
E		1.6	.8	.8	1.6							4.7	12.2
ESE	1.6	.8		1.6	1.6							5.4	10.1
SE			2.3	2.3								4.7	11.3
SSE		.8	.8	1.6		.8						3.9	13.0
S		.8	1.6	2.3	5.4		.8					10.9	16.2
SSW		.8		.8	1.6	.8	1.6					5.4	20.4
SW	.8	1.6	2.3		2.3	1.6	.8					9.3	14.7
WSW		1.6	1.6	.8								3.9	8.6
W		.8	3.1	.8	1.6							6.2	11.4
WNW	.8	3.1	2.3	.8		.8						7.8	8.3
NW	.8	3.1	2.3									6.2	5.9
NNW			1.6									1.6	8.5
VARBL													
CALM													
	4.7	16.3	27.1	26.8	16.3	5.4	3.2					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 129

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER STATION NAME 78-79 YEARS APR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.8	1.6								2.3	9.7
NNE	.8		3.1									3.9	6.6
NE		3.1	3.1		.8							7.0	7.9
ENE		1.6	4.7	5.4								11.6	10.3
E		.8	2.3	2.3	1.6	2.3						9.3	15.2
ESE		2.3	.8		.8							3.9	9.2
SE		.8	.8	2.3								3.9	9.4
SSE		.8	2.3	5.4	.8							9.3	11.6
S		2.3		1.6		1.6		.8				6.2	16.4
SSW	.8	3.1	2.3	2.3	4.7							13.2	12.2
SW		.8	1.6	2.3	1.6	1.6	.8					8.5	15.6
WSW			.8	1.6								2.3	12.3
W	1.6	3.9		1.6								7.0	6.6
WNW		1.6	1.6		1.6							4.7	11.0
NW	.8	.8		.8	.8							3.1	9.8
NNW		1.6	1.6	.8								3.9	7.4
VARB													
CALM													
	3.9	23.3	25.6	27.9	12.4	5.4	.8	.8				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 129

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

01001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS APR MONTH  
1500-1700 HOURS (L.O.V.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	1.6	.8								5.4	6.6
NNE		2.3	2.3	1.6								6.2	8.1
NE		.8	2.3	3.1								6.2	10.1
NNE		.8	.8		.8							2.3	10.0
E	.8	.8		4.7	3.1	1.6						10.9	15.3
ESE	.8		3.1	.8								4.7	8.3
SE	.8		1.6									2.3	6.0
SSE		.8	2.3	1.6				.8				5.4	13.3
S			4.7	1.6	1.6	.8		.8	.8			10.1	16.5
SSW			.8	3.9		1.6	1.6					7.8	18.1
SW			.8	1.6	3.9	3.9						10.1	18.9
WSW		1.6		.8								2.3	6.7
W	1.6	2.3	.8		.8							5.4	6.6
WNW		3.1	3.9	.8								7.8	7.5
NW		2.3	2.3	.8	.8							6.2	9.4
NNW	1.6	1.6	1.6	2.3								7.0	7.8
VARB													
CALM													
	6.2	18.6	28.7	24.0	10.9	7.8	1.6	1.6	.8			100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 129

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE MT NORTH TOWER 78-79 YEARS APR MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.8	.8	2.3								4.6	8.3
NNE	.8	1.5	3.8		.8							6.9	7.9
NE		.8	3.1	1.5	.8							6.1	11.1
NNE			8.4	5.3	1.5							15.3	11.2
E			.8	3.1	3.1	1.5						8.4	16.6
ESE		.8	.8	.8								2.3	10.3
SE		.8	2.3									3.1	7.5
SSE			1.5	.8	.8	.8						3.8	15.6
S	1.5		1.5	.8	.8	.8		.8				6.1	14.4
SSW	.8	.8		1.5	3.1	3.8		.8				10.7	18.8
SW		.8	.8	3.1	3.1	3.8						11.5	17.9
WSW		1.5	1.5	.8								3.8	7.6
W	1.5	1.5	1.5	1.5	.8							6.9	8.2
WNW			2.3	1.5	.8							4.6	11.7
NW	3.1	.8	.8									4.6	4.5
NNW			1.5									1.5	7.0
VARB													
CALM													
	8.8	9.9	11.3	22.9	15.3	10.7		1.5				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 131

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE MT NORTH TOWER 78-79 YEARS APR MONTH  
2100-2300 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N		1.6		.8								2.3	7.3
NNE		2.3	1.6	.8								4.7	7.5
NE			3.1	2.3								5.4	10.1
ENE			10.1	7.8	1.6	3.1						22.5	12.8
E			.8	4.7	2.3	.8						8.5	15.4
ESE	.8		.8		1.6	.8						3.9	14.0
SE		.8	.8	2.3								3.9	10.0
SSE			.8	.8	.8							2.3	13.3
S	.8	.8		1.6	3.1	.8	1.6					8.5	17.3
SEW	.8			2.3	2.3			.8				6.2	17.9
SW	.8	.8	3.9	1.6	3.9	1.6						12.4	13.4
WSW		.8	3.9	3.1		1.6	1.6					10.9	14.4
W			1.6	.8								2.3	11.0
WNW	.8	.8			.8							2.3	8.7
NW			1.6	.8	.8							3.1	12.3
NNW		.8										.8	5.0
VARN													
CALM													
	3.9	8.5	28.7	29.5	17.1	8.5	3.1	.8				100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 129

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
APR MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	.8	1.1								3.2	7.7
NNE	.3	1.1	1.4	.5	.1							3.3	7.7
NE	.1	1.1	3.0	2.3	.2							6.8	9.5
NNE		1.1	5.8	4.7	2.6	1.1	.4					15.7	12.9
E	.2	.4	1.2	3.6	2.5	1.0	.1					9.0	15.2
ESE	.5	.7	1.0	.6	.7	.1						3.4	10.2
SE	.2	.5	1.0	1.4	.4	.1						3.6	11.1
SSE		.3	1.4	2.3	.4	.2	.1	.1	.1			4.9	13.6
S	.3	.5	1.1	1.4	2.3	.8	.7	.5	.1			7.6	17.7
SSW	.4	.7	.5	2.1	2.5	1.5	.7	.2				8.5	17.4
SW	.6	1.0	2.0	2.6	2.6	2.1	.3					11.0	14.9
WSW	.2	1.1	1.6	1.7	.3	.4	.2					5.5	11.2
W	1.1	1.1	1.2	1.1	.5	.5	.1					5.7	10.2
WNW	.4	1.0	1.4	.4	.5	.1						3.8	9.1
NW	1.0	1.2	1.4	.4	.7							4.7	8.4
NNW	.3	.9	1.4	.7								3.2	7.7
VABSL													
CALM													
	5.8	13.6	26.5	26.8	16.0	7.9	2.5	.8	.2			100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 1051



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL STATION NAME MT NORTH TOWER 78-79 YEARS MAY MONTH  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.7	1.1	2.2								6.1	8.3
NNE	.6	.6	3.9	3.9	1.7							10.6	11.0
NE		.6	1.7	2.2	1.1			.6				6.1	13.8
ENE		1.7	4.4	6.7	2.8	.6	1.1					17.2	13.9
E		1.1	1.7	2.2	2.2	1.1	.6					8.9	15.0
ESE		1.1		.6	1.1	1.1						3.9	15.1
SE		.6	.6	2.8	2.2	.6						6.7	15.2
SSE	.6	2.2	2.2	1.1								6.1	7.4
S	.6	1.1	.6		.6							2.8	8.0
SSW		1.7	2.2	1.7								5.6	9.0
SW	.6	1.1	.6	2.2	1.1	.6						6.1	11.7
WSW		.6	.6	1.7								2.8	10.4
W	1.7	2.8										4.4	3.9
WNW	1.7	1.1	.6									3.3	4.2
NW	1.1	2.2	.6									3.9	4.6
NNW	1.1	1.1	1.7	.6	1.1							5.6	9.2
VARB													
CALM													
	8.9	21.1	22.2	27.8	13.9	3.9	1.7	.6				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAY MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	2.2	3.9								7.3	12.4
NNE	.6	2.2	1.1	1.1								5.1	7.6
NE		.6	2.2	3.4								6.2	10.4
ENE		1.1	2.8	5.1	5.1	2.2						16.3	15.0
E			1.1	3.4	1.7	4.5	1.7					12.4	20.0
ESE			1.1		2.8							3.9	15.9
SE		2.2	.6	1.7	1.7	.6						6.7	12.0
SSE		1.1	.6	1.1								2.8	8.4
S		1.1	1.1	1.1								3.4	9.3
SSW	.6	.6	.6		.6							2.2	8.0
SW		2.2	3.9	2.8	1.7	.6						11.2	11.2
WSW	1.7		2.2	.6								4.5	6.9
W	1.1	1.1	1.7									3.9	6.4
WNW	2.2	.6	2.8									5.6	5.5
NW	1.1	3.4	1.1									5.6	4.9
NNW	.6			1.7	.6							2.8	12.0
VARBL													
CALM													
	8.4	16.9	25.3	25.8	14.0	7.9	1.7					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 178

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HT NORTH TOWER 78-79 YEARS MAY  
STATION NAME CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.1	3.9								6.1	11.4
NNE		1.7	3.4	1.7	.6							7.3	9.0
NE	.6	2.2	1.7	.6								5.0	6.9
ENE			3.4	8.4	.6	1.7	.6					14.5	15.0
E	.6	1.1	1.7	2.2	4.5	1.7	1.7					13.4	17.1
ESE			1.1	1.1	.6	1.7						4.5	16.5
SE		.6	1.1	2.8	1.7							6.1	13.5
SSE			1.1	.6	1.1							2.8	13.2
S		1.1	.6	1.1								2.8	9.2
SSW				.6								.6	11.0
SW	1.7	1.7	.6	2.8								6.7	8.7
WSW	1.7	.6	2.2	1.7								6.1	7.5
W	1.7	1.7	2.2	.6								6.1	6.5
WNW	.6	2.2	1.7	1.1								5.6	7.0
NW	2.8	4.5										7.3	3.9
NNW		1.7	.6	2.8								5.0	10.4
VARBL													
CALM													
	10.1	19.6	22.3	31.8	8.9	.0	2.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAY MONTH  
0900-1100 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	.6	.6	1.1							3.4	11.0
NNE	.6	.6	.6	.6								2.3	6.8
NE	.6	1.1	1.7	2.5								6.3	9.7
ENE			4.0	4.0	.6	.6	.6					9.7	12.9
E	.6	1.1	2.3	4.6	1.7	2.9	2.3					15.4	16.8
ESE			1.1	1.1	1.7	.6						4.6	15.6
SE	.6	1.1	.6	3.4								5.7	9.6
SSE		.6	1.7	1.1	1.1							4.6	11.1
S	1.1	.6	.6	2.3								4.6	9.3
SSW	1.7	1.7	.6		.6							4.6	5.8
SW	.6	2.3			.6							3.4	6.5
WSW	.6	2.3	.6	1.7								5.1	7.9
W		2.3	1.7									4.0	6.7
WNW	2.3	7.4	1.1									10.9	4.9
NW	1.1	2.3	3.4	.6								7.4	6.5
NNW	.6	2.3	1.1	2.3		1.7						8.0	11.4
YABDL													
CALM													
	10.9	26.3	21.7	25.1	7.4	5.7	2.9					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 175

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAY MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.9	1.1									5.2	5.7
NNE		1.7	1.7	1.7								5.2	8.0
NE			2.3	1.1	.6							4.0	11.0
ENE	.6	3.4	1.7	2.3	.6	2.9						11.5	12.3
E		1.7		2.3	.6	1.1	1.1	1.1				8.0	19.3
ESE	1.1	.6	1.1	.6	.6	.6						4.6	10.6
SE		1.7	4.0	1.7								7.5	8.6
SSE		1.1	1.1	1.1								3.4	8.0
S	1.1	1.1	.6	2.9								5.7	8.0
SSW	.6	.6	.6	1.7	.6							4.0	9.7
SW	.6	1.1	2.9	1.7								6.3	8.7
WSW	.6	.6	1.1									2.3	6.3
W	.6	3.4	4.0	1.7								9.8	7.8
WNW	1.1	4.0	6.3	.6								12.1	6.8
NW	.6	2.9	1.7	.6								5.7	6.7
NNW		1.1	.6	2.9								4.6	9.5
VARB													
CALM													
	8.0	28.2	33.0	23.0	2.9	4.6	1.1	1.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 174

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 78-79 YEARS MAY MONTH  
1500-1700 HOURS (L.P.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6			1.2	.6							2.3	11.3
NNE		1.2	2.3	1.2								4.6	8.8
NE			1.7	3.5	1.7							6.9	12.9
ENE	.6	1.2	4.0	4.6	2.3	.6						13.3	11.6
E		1.7	1.7	1.2	1.7		1.7					8.1	15.6
ESE			1.2	1.7	2.3							5.2	14.9
SE		1.2	1.7		.6	1.2						4.6	11.9
SSE	.6	1.7	2.9	.6								5.8	7.0
S	1.2	1.2	.6	.6								3.5	6.2
SSW		1.2	1.2	.6								2.9	7.4
SW		.6	3.5	1.2	.6							5.8	10.1
WSW		3.5	1.2	.6								5.2	6.1
W	1.2	5.2	3.5									9.8	5.7
WNW	.6	1.7	2.9	1.2								6.4	7.5
NW		.6	4.6	2.3	.6							8.1	9.6
NNW	.6	1.2	4.0	1.7								7.5	8.7
VARB													
CALM													
	5.2	22.0	37.0	22.0	10.4	1.7	1.7					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 173

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 78-79 YEARS MAY  
STATION NAME CLASS 1800-2000  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6	.6	1.7	.6						4.1	15.4
NNE	.6	.6	.6	3.5								5.2	10.6
NE	.6		1.2	2.9								4.7	10.5
NNE	.6	2.3	5.2	7.6	4.1	1.2						20.9	12.5
E		.6	1.7	1.2	.6	.6	2.3	.6				7.6	19.5
ESE	.6		1.2	1.7	1.2	.6						5.2	13.7
SE	1.2	2.3		1.7	.6	1.7						7.6	12.0
SSE	.6	2.3		1.7	.6							5.2	8.0
S	1.2	.6	.6	1.2								3.5	6.8
SSW	1.2	1.2		1.2								3.5	7.0
SW	.6	.6	2.3	.6								4.1	7.3
WSW		.6	1.2	.6								2.3	9.3
W	4.7	1.7	1.7									8.1	4.3
WNW	2.3	1.7	1.2	.6	.6							6.4	6.8
NW	2.3	1.2	2.3	3.5								9.3	8.3
NNW			.6	1.2	.6							2.3	14.0
VARB													
CALM													
	16.3	16.3	20.3	29.7	9.9	4.7	2.3	.6				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 172

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS MAY MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	1.1		1.1	1.7						4.6	16.1
NNE	.6	1.7	4.0	2.9	1.1							10.3	10.3
NE		.6	4.6	2.3	1.1							8.6	10.9
ENE		.6	6.3	4.0	4.6	1.1	.6					17.2	14.0
E	1.7	1.1	1.7	.6	2.3	1.1	1.7					10.3	14.5
ESE	1.1	.6	.6	.6	1.1	.6						4.6	12.3
SE	.6	1.7		1.7		1.7						5.7	13.9
SSE	1.1	1.1	2.3	2.9	1.1							8.6	10.2
S		1.1	.6	.6								2.3	7.8
SSW	.6	.6	2.3	.6								4.0	8.1
SW	.6	1.7	1.7	1.7								5.7	7.9
WSW		.6										.6	4.0
W	.6	1.1	1.1									2.9	5.8
WNW					.6							.6	17.0
NW	1.7	1.7	2.3	2.3								8.6	7.8
NNW	1.1	.6	.6	3.4								5.7	10.1
VARB													
CALM													
	9.8	15.5	29.3	23.6	13.2	6.3	2.3					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 174



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS MAY MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.6	.9	1.0	1.6	.6	.3						4.9	10.9
NNE	.4	1.3	2.2	2.1	.4							6.3	9.5
NE	.2	.6	2.1	2.3	.6			.1				6.0	10.9
ENE	.2	1.3	4.0	5.3	2.6	1.4	.4					15.1	13.5
E	.4	1.1	1.5	2.2	1.9	1.6	1.6	.2				10.5	17.2
ESE	.4	.3	.9	.9	1.4	.6						4.6	14.3
SE	.3	1.4	1.1	2.0	.9	.7						6.3	12.0
SSE	.4	1.3	1.3	1.3	.5							4.9	9.0
S	.6	1.0	.6	1.2	.1							3.6	8.1
SSW	.6	.9	.9	.8	.2							3.4	8.0
SW	.6	1.4	1.9	1.6	.5	.1						6.2	9.5
WSW	.6	1.1	1.1	.9								3.6	7.5
W	1.4	2.4	2.0	.3								6.1	6.0
WNW	1.4	2.3	2.1	.4	.1							6.3	6.3
NW	1.4	2.3	2.0	1.1	.1							6.9	6.8
NNW	.5	1.0	1.1	2.1	.3	.2						5.2	10.3
VARBL													
CALM													
	9.7	20.7	26.1	26.1	10.1	5.0	2.0	.3				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 1405

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 JUN  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8		.8									1.7	6.0
NNE	.8	.8	2.5									4.2	6.8
NE	.8	1.7	.8	8.3	1.7							13.3	11.8
ENE		1.7	9.2	6.7	5.0	5.0	.8					28.3	15.3
E		2.5	2.5	6.7	3.3	2.5	.8					18.3	14.9
ESE	.8	2.5	.8	1.7	3.3	.8						10.0	12.4
SE	.8	1.7	3.3	3.3	.8							10.0	10.0
SSE		.8										.8	5.0
S	.8	1.7										2.5	3.7
SSW		2.5										2.5	4.0
SW		.8										.8	5.0
WSW	4.2											4.2	1.8
W	.8											.8	3.0
WNW													
NW													
NNW		.8	1.7									2.5	6.3
VARB													
CALM													
	10.0	17.5	21.7	26.7	14.2	8.3	1.7					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 120

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS JUN MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.5	.8									4.2	6.2
NNE	1.7	2.5	1.7	.8								6.7	6.6
NE	.8	1.7		5.9	1.7							10.1	11.8
ENE		3.4	5.0	5.0	6.7	1.7						21.8	13.1
E			2.5	8.4	6.7	1.7	1.7					21.0	16.9
ESE			1.7	1.7	2.5	.8	.8					7.6	17.2
SE		.8	1.7	2.5								5.0	10.7
SSE	1.7		2.5									4.2	6.8
S	.8	1.7										2.5	3.7
SSW	.8	.8	.8									2.5	4.3
SW	.8	2.5										3.4	4.7
WSW		1.7										1.7	5.0
W	3.4											3.4	3.0
WNW	.8	.8										1.7	3.5
NW	1.7	.8										2.5	3.0
NNW	.8	.8										1.7	4.0
VARBL													
CALM													
	14.3	20.2	16.8	24.4	17.6	4.2	2.5					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 119

GLOBAL CLIMATOLOGY BRANCH  
USAFET/C  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-79 YEARS JUN MONTH  
0600-0800 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥66	%	MEAN WIND SPEED
N		1.7	1.7									3.3	6.5
NNE	.8	3.3	1.7	1.7								7.5	7.1
NE	1.7	3.3	8.3	1.7	2.5							17.5	9.4
ENE		3.3	1.7	9.2	3.3	2.5						20.0	13.4
E		.8		5.0	8.3	2.5						16.7	17.0
ESE		1.7	1.7	1.7	4.2	1.7						10.8	15.1
SE	.8	1.7	.8	1.7								5.0	7.2
SSE	2.5	1.7										4.2	3.8
S	1.7											1.7	2.5
SSW	.8	.8										1.7	4.0
SW		.8	1.7									2.5	6.7
WSW	.8	.8										1.7	3.0
W	.8											.8	3.0
WNW	1.7	.3										2.5	3.0
NW	1.7	1.7										3.3	3.8
NNW		.8										.8	5.0
VARB													
CALM													
	13.3	23.3	17.5	27.8	18.3	6.7						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 120

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUI OPTICAL SITE MT NORTH TOWER STATION NAME 78-79 YEARS JUN MONTH 0900-1100 HOURS [L.S.T.]

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	1.7									2.6	6.7
NNE		1.7	2.6	1.7	.9							6.8	9.3
NE		2.6	6.0	6.0	2.6							17.1	10.9
ENE		1.7	6.0	4.3	2.6	1.7						16.2	12.7
E	.9	.9	6.8	4.3	5.1	4.3						22.2	14.3
ESE		.9	.9	3.4	3.4	1.7						10.3	16.2
SE					.9							.9	18.0
SSE	1.7	.9										2.6	3.3
S												.9	3.0
SSW	.9											.9	3.0
SW		1.7	.9									2.6	7.0
WSW													
W	1.7	.9										2.6	2.7
WNW	1.7	.9	1.7									4.3	4.8
NW	.9	4.3	1.7									6.8	5.5
NNW	1.7	.9	1.7									4.3	5.4
VARBL													
CALM													
	9.4	17.9	29.9	19.7	15.4	7.7						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 117

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-79 YEARS JUN MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	3.5									5.2	6.5
NNE		2.6	2.6	.9								6.1	7.7
NE		2.6	8.7	.9	1.7	.9						14.8	10.6
ENE		.9	7.0	8.7	1.7							18.3	11.6
E	.9	.9	3.5	4.3	1.7							11.3	11.7
ESE			3.5	5.1	2.6	.9						13.0	13.7
SE	1.7	1.7			.9							4.3	6.8
SSE		.9	.9									1.7	7.0
S													
SSW			.9									.9	7.0
SW	.9											.9	3.0
WSW	.5	.9										1.7	2.5
W	1.7	3.5	.9									6.1	4.9
WNW	.9	2.6	.9									4.3	4.6
NW	1.7	2.6	2.6									7.0	5.4
NNW		2.6	1.7									4.3	6.4
VARBL													
CALM													
	8.7	23.5	36.5	2.9	8.7	1.7						120.0	9.3

TOTAL NUMBER OF OBSERVATIONS 115

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00001 MAUI OPTICAL SITE MT NORTH TOWER STATION NAME 78-79 YEARS JUN MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.8	.8									2.5	4.7
NNE		.8	2.5									3.3	7.8
NE		.8	6.6	5.0								12.4	10.6
ENE		4.1	9.1	11.6	.8							25.6	10.1
E		3.3	1.7	9.1	2.5	4.1						20.7	14.4
ESE		.8	.8	1.7	1.7	.8						5.8	15.0
SE		.8	.8									1.7	7.0
SSE													
S													
SSW	.8											.8	3.0
SW		1.7										1.7	5.5
WSW	.8	3.3										4.1	4.2
W	.8	2.5	.8									4.1	5.4
WNW	2.5	.8	3.3									6.6	5.3
NW	.8	2.5	1.7									5.0	6.0
NNW	.8	.8	4.1									5.8	6.4
VABDL													
CALM													
	7.4	23.1	32.2	27.3	5.7	5.0						170.0	9.8

TOTAL NUMBER OF OBSERVATIONS 121

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 MAUI OPTICAL SITE MT NORTH TOWER 78-79  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUN  
MONTH  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.6										2.4	4.3
NNE		4.0	1.6	2.4								8.1	8.0
NE		2.4	4.0	7.3	.8							14.5	10.9
ENE	.8	5.6	8.9	9.7	1.6	.8	.8					28.2	10.8
E	.8		3.2	7.3	6.5	2.4	1.6					21.8	15.6
ESE			1.6	.8	1.6	1.6						5.6	16.7
SE	.8	1.6	1.6	.8								4.8	7.5
SSE		.8	.8									1.6	6.5
S		.8										.8	4.0
SSW	1.6											1.6	2.5
SW	2.4											2.4	2.3
WSW													
W	.8	1.6										2.4	4.3
WNW		1.6	.8									2.4	5.3
NW													
NNW		1.6	1.6									3.2	6.3
VARB													
CALM													
	8.1	21.8	24.2	28.2	10.5	4.8	2.4					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 124



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00001 MAUI OPTICAL SITE MT NORTH TOWER STATION NAME 78-79 YEARS JUN MONTH  
CLASS ALL WEATHER 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.4	.8	.8								4.1	7.0
NNE	.8	2.4		1.6								4.9	6.8
NE		1.6	7.3	3.3		.8						13.0	10.9
NNE			9.8	13.8	6.5	2.4						32.5	13.5
E		.8	2.4	5.7	1.6	2.4						13.0	14.7
ESE		2.4	1.6	3.3	2.4	1.6						11.4	13.5
SE		2.4	1.6	1.6	2.4							4.1	11.1
SSE		.8										.8	4.0
S	1.6											1.6	2.0
SSW	2.4											2.4	3.0
SW	1.6											1.6	2.0
WSW													
W													
WNW	2.4											2.4	2.3
NW	1.6	.8										2.4	2.3
NNW		.8	.8									1.6	6.5
VARBL													
CALM													
	11.6	14.6	24.4	30.1	13.0	7.3						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 123

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HT NORTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
JUN MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-31	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.5	1.3	.1								3.2	6.1
NNE	.5	2.3	1.9	1.1	.1							5.9	7.6
NE	.4	2.1	5.2	4.8	1.4	.2						14.1	10.8
ENE	.1	2.6	7.1	8.7	3.5	1.8	.2					24.0	12.6
E	.3	1.1	2.8	6.4	4.5	2.5	.5					18.1	15.1
ESE	.1	1.0	1.6	2.5	2.7	1.3	.1					9.3	14.7
SE	.5	1.4	1.3	1.3	.6							5.0	9.4
SSE	.7	.7	.5									2.0	5.2
S	.6	.5										1.1	3.2
SSW	.9	.5	.2									1.7	3.8
SW	.7	.9	.3									2.6	4.6
WSW	.8	.8										1.7	3.2
W	1.3	1.7	.2									2.5	4.2
WNW	1.3	.9	.8									3.0	4.4
NW	1.0	1.6	.7									3.3	4.8
NNW	.4	1.1	1.5									3.0	6.0
VARI													
CALM													
	13.2	20.2	25.3	24.8	12.8	5.7	.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 959

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS JUL MONTH  
0000-2200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		.9	.9									1.8	6.8
NNE	.4	1.3	1.3	.4		.9	.4					4.7	12.5
NE	1.3	2.2	4.0	2.7	1.8							12.0	9.7
NNE	.9	1.3	7.6	7.1	3.1	1.3	.4					21.8	12.3
E		.9	4.9	9.3	4.9	4.4						29.4	15.1
ESE			2.2	4.9	2.2	.4						9.8	14.0
SE	.4		1.3	2.2	2.7	.9						7.6	14.4
SSE		1.3	2.2	.9	.4							4.9	8.8
S		1.8	1.8	.4								4.0	7.7
SSW		.4										.4	4.0
SW			.4									.4	7.0
WSW	.4											.4	3.0
W	.4	2.2	.9									3.6	5.8
WNW		.4	.9									1.3	7.7
NW			.4									.4	7.0
NNW		.9	.9	.4								2.2	8.0
VARB													
CALM													
	4.7	13.8	29.8	28.4	15.1	8.0	.9					100.7	12.0

TOTAL NUMBER OF OBSERVATIONS 225

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS JUL MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4	1.3									1.8	7.5
NNE	.4	1.8	.4		.9	.4						4.0	10.2
NE		.9	2.2	4.0	.9	.9						8.8	13.1
ENE	.4	3.1	9.7	8.8	3.5	.4						26.1	11.4
E		.4	5.8	7.5	3.5	4.0	.4					21.7	15.1
ESE		.9	4.0	6.2	4.4	.9						16.4	13.9
SE		.4	2.7	3.1								6.2	10.0
SSE	.4		.9	.9	.4							2.7	11.7
S		.4	1.3		.4							2.2	10.0
SSW			.4									.4	7.0
SW	.4	.4										.9	4.5
WSW													
W		1.3	.4									1.8	5.5
WNW	.4	1.3	.4									2.2	4.4
NW	.4	1.3	.9									2.7	5.5
NNW		.4	1.3	.4								2.2	8.6
VARB.													
CALM													
	2.7	13.5	31.9	31.0	14.2	6.6	.4					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 226

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 78-80 YEARS JUL MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	.9									1.8	7.0
NNE	.5	1.4	.9	.5								3.2	6.9
NE		2.7	6.8	2.3	2.3	.9						14.9	11.2
NNE		3.2	5.4	10.4	4.1	.9						23.9	12.0
E		.5	4.5	6.8	6.8	2.7	.9					22.1	15.8
ESE	.5	.9	5.4	1.4	2.3	1.4	.5					12.2	12.9
SE		1.4	1.8	1.8	1.8	.5						7.2	12.6
SSE			.9	1.4								2.3	12.2
S	.5	.5	.5									1.4	5.3
SSW	.5		1.8									2.3	7.4
SW		.5	.9									1.4	8.0
WSW		.5										.5	4.0
W													
WNW	.5	1.8										2.3	4.0
NW		.9	.9									1.8	7.3
NNW	.5	.5	1.4	.9								3.2	8.7
VARBL													
CALM													
	2.7	15.3	32.0	25.2	17.1	6.3	1.4					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 222

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAHT OPTICAL SITE HI NORTH TOWER 78-80 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0900-1100  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		1.8	.9	.5								3.2	7.4
NNE		.5	4.1	.5								5.0	8.2
NE		.9	5.9	3.2	1.4	.9						12.2	12.0
ENE		1.8	5.9	5.4	3.2	1.4						17.6	12.7
E		1.4	7.2	5.4	5.9	4.1		.9				24.8	15.4
ESE		.5	4.5	2.7	2.3	.9						10.8	12.6
SE	.5	1.4	1.4	1.8	.9							5.9	9.8
SSE			.9	.9	.5							2.3	12.2
S		1.4	.5									1.8	6.3
SSW	.5	.9										1.4	4.3
SW		1.4	.5									1.8	5.5
WSW			.5									.5	7.0
W	.9	.5	.9									2.3	4.8
WNW		1.4	.5									1.8	5.3
NW	2.3	.9	.9									4.1	4.3
NNW	.5	1.8	1.4	1.4								5.0	7.5
VARBL													
CALM													
	4.5	16.2	35.6	21.6	14.0	7.2		.9				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 222

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS JUL MONTH 1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.9	.9	.5								2.7	6.7
NNE	.5	3.7	2.7	.9								7.8	6.8
NE	.5	2.7	5.0	3.7	2.7							14.6	10.8
ENE		.5	5.5	7.8	1.4	1.4	.5	.9				17.8	14.5
E		.9	4.6	7.8	1.8	1.4	.5					16.9	13.2
ESE		1.8	2.3	3.2	2.7	1.8						11.9	13.7
SE	.5	.5	2.7	2.3	.9							6.8	10.8
SSE		.9	.5									1.4	6.3
S		1.8	.5									2.3	6.0
SSW	.5	.9										1.4	4.0
SW		.9	.5									1.4	6.0
WSW	.5	.9										1.4	4.0
W		.9	.5									1.4	5.7
WNW	1.8	.9	.9									3.7	5.4
NW	.9	1.8	1.4	.5	.5							5.0	7.2
NNW	.5	2.3	.9									3.7	5.4
VARBL													
CALM													
	5.9	22.4	28.8	26.5	10.0	4.6	.9	.9				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 219

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 78-80 YEARS JUL MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.8									2.2	7.6
NNE		1.2	4.0	2.2								7.6	9.1
NE	.9	4.4	4.9	7.6	3.1							20.9	12.7
ENE	.9	2.2	2.2	4.9	4.4	1.3	.4					16.4	13.8
E	.4	.9	4.4	9.8	.9	.9		.4		.4		18.2	13.5
ESE			2.7	4.4	1.3		.4					8.9	14.2
SE		.4	.4	2.2								3.1	11.7
SSE	.4	2.7	.4									3.6	5.3
S	.4											.4	2.0
SSW	.4											.4	3.0
SW		2.2										2.2	5.0
WSW													
W	.4	1.8	.9									3.1	5.4
WNW	.4	3.1	2.2									5.8	6.1
NW	.9	1.3	.9	.9								4.0	6.6
NNW		1.3	1.8									3.1	6.4
VARBL													
CALM													
	5.3	22.2	26.7	32.0	9.8	2.2	.9	.4		.4		100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 225



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUT OPTICAL SITE HT NORTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUL  
MONTH  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.4									1.8	6.5
NNE		2.2	1.8	.9	.4							5.4	8.9
NE		1.3	4.0	11.2	1.8							18.3	12.4
ENE		1.8	5.4	5.8	2.7	.9	1.3					17.9	13.8
E		1.3	9.4	8.9	.9	2.7	.9					24.1	13.1
ESE		1.8	3.1	4.0	.9	.9		.4				11.2	12.8
SE	.4	.9	.4	.9		.4						3.1	9.7
SSE		.9	.4									1.3	5.7
S	.4	.4	.4	.4	.4							2.2	9.6
SSW													
SW			.4									.4	8.0
WSW	.4	.4	.9									1.8	5.8
W		.4	.9									1.3	7.7
WNW	1.3											1.3	2.3
NW	.4	2.2	1.3	2.2								6.2	7.5
NNW	.4	1.8	1.3									3.6	5.8
VARBL													
CALM													
	3.6	17.0	30.4	34.4	7.1	4.9	2.2	.4				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 224

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HT NORTH TOWER 78-80 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	.4	.9								2.2	8.8
NNE		1.7		.4		.4						2.6	9.7
NE		2.2	7.0	8.7	.9	.9						19.7	11.5
ENE	.4	.9	6.6	12.7	2.2	3.1						25.8	13.0
E		.4	5.2	7.0	2.6	3.1						18.3	14.2
ESE		.9	3.1	3.5	1.7	1.7	.9	.4				12.2	15.7
SE		2.2	.9	1.7	.4	.9						6.1	11.8
SSE		.9	.9	.9								2.6	9.2
S		.4		.4								.9	11.0
SSW			.4									.4	7.0
SW			.9									.9	7.5
WSW	.4	.4	.9									1.7	5.8
W		.4										.4	4.0
WNW			.4									.4	7.0
NW			3.5									3.5	8.1
NNW		.4	1.3	.4								2.2	8.2
VARB													
CALM													
	.9	11.8	31.8	36.7	7.9	12.0	.9	.4				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS 229

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00031 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS JULI MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	.9	.2								2.2	7.3
NNE	.2	1.7	1.9	.7	.2	.2	.1					5.0	8.9
NE	.3	2.2	5.0	5.4	1.8	.4						15.2	11.3
ENE	.3	1.8	6.0	7.9	3.1	1.3	.3	.1				20.9	12.8
E	.1	.8	5.7	7.8	3.4	2.9	.3	.2		.1		21.3	14.5
ESE	.1	.8	3.4	3.8	2.2	1.0	.2	.1				11.7	13.7
SE	.2	.9	1.5	2.0	.8	.3						5.7	11.6
SSE	.1	.8	.9	.6	.2							2.6	9.0
S	.2	.8	.6	.2	.1							1.9	7.7
SSW	.2	.3	.3									.9	5.5
SW	.1	.7	.4									1.2	6.1
WSW	.2	.3	.3									.8	5.1
W	.2	.9	.6									1.7	5.6
WNW	.6	1.1	.7									2.3	5.3
NW	.6	1.1	1.3	.4	.1							3.5	6.7
NNW	.2	1.2	1.3	.4								3.1	7.2
VARBL													
CALM													
	3.7	16.5	30.8	29.5	11.9	6.2	.9	.4		.1		100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 1792

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE MT NORTH TOWER 7A-80 YEAR 1980 MONTH AUG  
0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	.7									2.2	5.2
NNE	.7	1.5	1.8	.4								4.4	6.4
NE	.7	3.7	5.1	4.0	2.6	.4						16.5	10.2
ENE	.4	2.9	6.6	8.1	2.2	1.1						21.3	11.6
E	.4	2.2	3.3	8.8	2.9	1.8	.4	.4				20.2	14.0
ESE	1.1	3.7	4.0	3.7	2.2	1.1						15.3	10.7
SE		1.1	2.2	1.1	.7							5.1	2.9
SSE	1.1	2.2	.7									4.2	5.0
S	.7											.7	3.0
SSW	.7	.4	.7	.4								2.2	6.0
SW	1.1											1.1	2.3
WSW	1.5											1.5	2.3
W	.7			1.1								1.8	8.8
WNW	.7	1.1										1.8	3.6
NW		.7	.4									1.1	6.0
NNW													
VARBL													
CALM													
	10.7	20.2	25.7	27.6	10.7	4.4	.4	.4				100.3	10.3

TOTAL NUMBER OF OBSERVATIONS 272

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

00001 STATION MAUI OPTICAL SITE MT NORTH TOWER 78-80 YEARS AUG MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7		.4	1.1								2.2	8.3
NNE	.4	1.5	1.8	.7								4.4	7.2
NE	.7	1.8	7.4	3.7	1.8	.4						15.9	10.5
ENE	.4	3.3	6.3	7.0	3.3	1.5					.4	22.1	14.1
E		1.8	6.6	2.6	2.6	1.5	.4					15.5	12.4
ESE		2.6	2.2	5.9	1.5		.7					12.9	12.1
SE		2.2	2.6	1.1	.4		.4					6.6	10.0
SSE	1.1	.7	.4		.4							2.6	6.4
S	.4	.4	1.1									1.8	5.4
SSW	.4			.4								.7	7.0
SW	1.8			.4	.4							2.6	6.4
WSW	.7	.7		.4								1.8	5.2
W	1.8	.7	.4	.4								3.3	5.0
WNW	1.1	1.5										2.6	3.9
NW	.4	.4	1.1									1.8	6.0
NNW	1.5	.7	.7									3.0	4.0
VARBL													
CALM													
	11.4	18.5	31.0	23.6	10.3	3.3	1.5				.4	100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 271

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS AUG MONTH

ALL WEATHER  
CLASS

3600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	2.6	.4								3.7	7.6
NNE	.4	3.3	2.6	.7								7.0	7.1
NE		2.9	3.7	5.9	1.1		.4					14.0	10.9
ENE	.4	2.6	8.8	11.8	1.5	2.2						27.2	11.9
E	.7	1.5	4.8	4.0	1.8	.4	.7					14.0	12.0
ESE	1.1	2.2	1.5	2.9	.7	1.1	.4					9.9	11.4
SE	1.5	1.5	1.1	.7	.7	.4						5.9	9.1
SSE	1.1	.4	.7	1.1								3.3	7.9
S	.7	.4										1.1	3.3
SSW	.4	.4										.7	3.0
SW	1.1	1.1	.7	.7	.4							4.0	7.1
WSW	.7			.4								1.1	5.7
W	2.6	.7		.4								3.7	3.6
WNW	.7	.4										1.1	4.0
NW	1.1	.7	.4									2.2	4.0
NNW	.4		.7									1.1	6.3
VABDL													
CALM													
	13.2	18.4	27.6	29.0	6.2	8.0	1.5					170.0	9.9

TOTAL NUMBER OF OBSERVATIONS 272

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUT OPTICAL SITE HT NORTH TOWER STATION NAME 78-80 YEARS AUG MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	1.5									3.8	6.5
NNE	.8	2.3	2.6	.8								6.4	7.0
N E	.4	1.9	6.8	4.5	1.9	.4	.4					16.2	11.1
ENE	.8	3.4	5.6	6.0	2.6	2.6	.8					21.8	13.1
E	.4	1.5	2.6	4.1	2.6	.4						11.7	12.4
ESE		.8	1.5	4.1	.4	.8						7.5	12.8
SE	.4	1.9	.8	1.9	.4	.4	.8	.4				6.8	13.4
SSE	.4	1.3	.8	.8	.4							4.1	8.0
S	1.1	1.1	.4									2.6	4.4
SSW		.8										.8	4.0
SW		.8										.8	4.5
WSW	1.5	.8	.8									3.2	4.5
W	.8	1.5	.4	.8								3.4	6.7
WNW	.8	1.5										2.3	3.7
NW	.8	3.0	.8	.4								4.9	5.3
NNW		1.1	1.9	1.1								4.1	8.3
VARB													
CALM													
	7.9	26.3	26.3	24.8	8.3	4.5	1.9	.4				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 266

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

78-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.2	.4								4.1	6.9
NNE	.7	2.2	4.5	1.5								9.2	7.5
NE		1.9	3.4	4.5	1.9	1.5	.4					13.5	12.9
NNE		.7	4.9	6.4	3.0	.4						15.4	13.0
E	.4	2.2	4.9	4.5	1.9	1.9		.4				16.1	13.0
ESE	.7	1.5	.4	1.1				.4				4.1	9.7
SE		1.1	1.5	.7	.7		.4					4.5	11.3
SSE	.7	1.1	1.9	.7								4.5	7.1
S	.4		.4			.4						1.1	12.3
SSW	.4	1.1	.4									1.9	5.0
SW		1.9	.4									2.2	5.3
WSW	1.5	1.1	.4	.4								3.4	5.1
W	1.9	2.2	.4	.4								4.9	5.0
WNW	1.1	3.7	1.5	.4								6.0	5.6
NW		1.5	1.9									3.4	7.0
NNW	1.9	1.5	1.5	.7	.4							6.0	7.3
VARB													
CALM													
	10.1	24.3	10.3	21.7	7.9	4.1	.7	.7				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

267



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.3	1.5	1.1								5.6	6.8
NNE	.4	1.5	3.0	.8								5.6	7.5
NE	.4	4.1	3.0	1.9	.8	.8						10.9	9.7
ENE		3.8	8.3	5.3	3.0	.4	.4				.4	21.4	12.5
E	1.5	1.5	4.9	4.9	1.5	2.6		.4				17.3	13.1
ESE	.4	1.5	2.3	1.5	.4		.4					6.4	10.1
SE		3.0	1.1					.4				4.5	8.8
SSE		1.5	1.1	1.1	.8	.4						4.9	10.5
S		.8	.4			.4						1.5	10.8
SSW		2.6										2.6	4.7
SW	.8	.8										1.5	3.8
WSW	1.1	.8										1.9	3.2
W	.4	1.5	.8									2.6	5.6
WNW	.4	3.0	.8									4.1	5.2
NW	.4	2.6	1.5	.4								4.9	6.4
NNW	.4	.4	1.1	1.9	.4							4.1	10.5
VARBL													
CALA													
	6.8	31.6	29.7	18.8	6.8	4.5	.8	.8			.4	100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

266

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS AUG MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	1.1	1.1								4.4	7.4
NNE		1.5	2.6	.7								4.8	7.7
NE	.4	1.5	5.1	4.0	.7	.4	.4					12.5	10.8
ENE	1.1	1.5	8.5	8.8	3.3	1.1	.4					24.6	12.0
E	.7	1.5	7.7	6.6	1.1	1.5	1.5	.4				21.0	13.1
ESE	.4	1.1	2.6	2.2	.7		.4	.7				8.1	13.9
SE	.4	1.1	1.5	.7	.4							4.0	8.5
SSE	.7	.7	1.1	.4								2.9	6.1
S	.4	.4	.4	.4								1.5	7.0
SSW	.7	.4	1.1									2.2	5.0
SW	1.1	.4	.7									2.2	4.3
WSW	1.5	.4	.4	.4								2.6	5.1
W	1.1	.4	.4									1.8	4.0
WNW	1.5	1.1	.4									2.9	3.9
NW	1.8	.4	.7	.4								3.3	5.3
NNW		.4	.4	.4								1.1	8.7
VARB													
CALM													
	12.1	14.3	34.6	26.1	6.2	2.9	2.6	1.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 272

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HT NORTH TOWER 78-80 YEARS  
AUG MONTH  
2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.5	1.9	.7	.4								4.4	5.5
NNE	.4	1.5	1.9	1.1	.4							5.2	8.6
NE	.4	1.9	5.2	4.4	.7	1.1	.4					14.1	11.7
ENE	.7	2.2	7.8	10.0	3.3	.7						24.8	11.9
E	.7	1.9	3.7	9.6	4.1	3.3	.4					23.7	14.2
ESE	1.1		1.9	2.2	.4	1.9						7.4	13.8
SE	.7	2.2	2.6	1.5								7.0	7.2
SSE		2.2	2.6									4.9	7.3
S	.7		.4									1.1	4.0
SSW	.7		.4									1.1	4.0
SW		.4										.4	6.0
WSW			.4	.7								1.1	10.0
W	1.1		.4									1.5	3.8
WNW	.4	.4										.7	3.5
NW	.4	.7										1.1	4.3
NNW	.4		.4	.7								1.5	8.5
VARBL													
CALM													
	9.3	15.2	28.1	30.7	8.9	7.0	.7					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 270

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

02001 MAUT OPTICAL SITE HT NORTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
MONTH  
HOURS (L T - )

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3	.6								3.8	6.8
NNE	.5	1.9	2.6	.8	.0							5.8	7.4
NE	.4	2.5	5.0	4.1	1.4	.6	.2					14.2	11.0
ENE	.5	2.6	7.1	7.9	2.8	1.3	.2				.1	22.4	12.4
E	.6	1.8	4.8	5.7	2.3	1.7	.4	.2				17.4	13.1
ESE	.6	1.7	2.0	3.0	.8	.6	.2	.1				9.0	11.8
SE	.4	1.8	1.7	1.0	.4	.1	.2	.1				5.6	9.8
SSE	.6	1.3	1.2	.5	.2	.0						3.9	7.4
S	.6	.4	.4	.0		.1						1.4	6.3
SSW	.4	.7	.3	.1								1.5	5.0
SW	.7	.6	.2	.1	.1							1.9	5.5
WSW	1.1	.5	.2	.3								2.0	4.9
W	1.3	.9	.3	.4								2.9	5.2
WNW	.8	1.5	.3	.0								2.7	4.6
NW	.6	1.3	.8	.1								2.8	5.7
NNW	.6	.5	.8	.6	.1							2.6	7.8
VARB													
CALM													
	10.2	21.1	29.2	25.3	8.2	4.8	1.3	.4			.1	100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 2156

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001  
STATION

MAUI OPTICAL SITE MT NORTH TOWER  
STATION NAME

78-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.2	.4	.4								1.9	7.4
NNE	.4	.8	.4	2.3		.4						4.2	10.7
NE	.4	1.5	3.9	8.5	1.5	1.2						17.0	12.5
ENE	.8	1.5	5.8	13.5	8.9	2.3						32.8	14.1
E	.8	1.5	3.9	5.8	5.8	2.3						20.1	14.1
ESE	.4		1.2	1.9	2.3	.8						6.5	14.8
SE	.4	1.2	.8	1.2	.4							3.9	8.9
SSE		.4	.8	1.2	.4							3.1	10.4
S	.8	.4	1.5									2.7	5.9
SSW		1.2										1.2	5.7
SW	.4	.4	.4									1.2	4.7
WSW	.4	.8	.8									1.9	5.0
W		.4										.4	5.0
WNW	.8											.8	2.0
NW		1.2										1.2	5.0
NNW	.4	.4	.4									1.2	4.7
VARBL													
CALM													
	5.8	13.1	20.1	34.7	19.3	6.9						100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

259

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS SEP MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	.4	.8								1.9	8.6
NNE	.4	.4	1.1	1.1	.4							3.4	10.4
NE		1.9	6.8	4.9	4.9	.4						19.0	12.2
NNE	.4	1.5	8.4	9.9	5.7	1.5						27.4	13.0
E	.4	1.5	5.7	6.1	6.5	1.1						21.3	13.4
ESE	.4	1.5	2.7	3.0	2.3	.4						10.3	12.8
SE	.4	1.5	.4	1.1								3.4	7.6
SSE			.4	.8								1.1	10.7
S	.4	.8	.4									1.5	5.8
SSW	.4	.4										.8	3.5
SW		1.5	.4									1.9	5.4
WSW	.4	.8										1.1	4.0
W		.8										.8	4.0
WNW	.8	.4	.4									1.5	5.0
NW	.4	1.9	.4									2.7	5.6
NNW	.4	1.5										1.9	4.5
VARB													
CALM													
	4.6	17.1	27.4	27.8	19.8	3.4						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 263

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00071 MAUT OPTICAL SITE HT NORTH TOWER STATION NAME 76-80 YEARS SEP MONTH 0600-0800 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	.4									1.9	4.8
NNE	.4	1.5	1.2	1.2	.4							4.6	8.8
NE	.4	2.7	5.8	7.7	3.9	.8	.4					21.6	12.2
ENE	.4	1.9	9.7	13.9	6.9	1.2						34.0	12.8
E	.4	1.5	2.7	4.2	3.9	3.9						16.6	15.3
ESE		1.2	2.3	1.2	2.3	.4						7.3	12.9
SE			.4	1.5			.4					2.3	14.2
SSE		.4	.8									1.2	8.3
S		.8	.4	.4								1.5	8.3
SSW													
SW	.8	.8										1.5	3.5
WSW	.8	.4										1.2	3.7
W	.4											.4	1.0
WNW		1.2										1.2	4.7
NW	.4	1.5		.4								2.3	6.2
NNW	.8	.8	.8									2.3	5.8
VARB													
CALM													
	5.0	15.8	24.3	30.5	17.4	6.2	.8					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 259

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00021 STATION MAUI OPTICAL SITE MT NORTH TOWER 78-80 YEARS SEP MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.5	.8									2.3	0.5
NNE	1.1	.8	1.9	2.6	.4							6.8	9.2
NB	.4	2.6	3.8	4.9	3.8	.4						15.8	12.4
NNE		2.3	6.4	10.6	5.7	2.3	.4					27.5	13.7
E	.8	1.1	2.6	6.8	4.5	2.3						18.1	14.0
ESE	.8		2.6	2.3	.4							6.0	10.0
SE	1.5	1.1	.4	.4	.4							4.2	8.6
SSE		1.5	1.1									2.5	6.3
S		.4	.4									.8	5.5
SSW				.4								.4	12.0
SW		.8										.8	4.5
WSW		.4										.4	5.0
W		1.1										1.1	5.0
WNW	.8	1.1	.4									2.3	5.0
NW	1.5	4.2	1.1									6.8	5.0
NNW	1.9	.8	1.5									4.2	5.1
VARBL													
CALM													
	8.7	19.6	23.0	27.8	15.1	5.3	.4					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 265



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HT NORTH TOWER 78-80 YEARS SEP MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	2.3	.4								3.4	7.8
NNE		.8	3.8	2.3	1.1							8.7	11.1
NE		1.9	7.7	9.2	1.9	1.1						21.8	11.8
NNE	.4	1.1	4.6	7.7	5.4	.4						12.5	12.9
E		2.7	3.8	3.4	.8	1.1						11.9	11.6
ESE		.4	.8	3.4	1.1	.8						6.5	14.5
SE	1.1	1.1	1.1	.8	.4	.4						5.7	9.0
SSE	.4	1.1	1.1									2.7	6.0
S	.4	.4										.8	3.5
SSW	.4	.3										1.1	3.0
SW	1.9	1.1										3.1	3.4
WSW	.4	.4										.8	4.5
W	.4	1.5	.4									2.3	5.5
WNW	.4	2.3	.4									3.1	4.9
NW	.8	3.4	1.1									7.3	5.8
NNW		1.5	.4	.8								2.7	7.6
VARB													
CALM													
	6.9	21.1	29.5	28.0	12.7	3.8						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 261

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HT NORTH TOWER STATION NAME 79-80 YEARS SEP MONTH

ALL WEATHER CLASS

1500-1700 HOURS (L.O.V.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	.8	.4								2.7	6.6
NNE	.4	1.5	4.9	5.3	1.5							13.7	11.9
NE	.4	1.1	5.7	11.0	1.5							19.8	11.5
NNE		1.1	4.9	7.1	4.6	.8						20.5	13.1
E		1.1	3.0	5.7	2.3	1.9						14.1	13.7
ESE		.8	.4	2.3	.4	.8						4.6	13.7
SE		1.5	.8	.8								3.0	7.3
SSE	.4	.4	1.1									2.3	5.3
S	.4											.4	3.0
SSW	.4		.4									1.1	4.7
SW	1.1		.4									1.5	4.5
WSW	.4	.4										.8	4.0
W	1.9	2.3										4.2	3.6
WNW	.8	1.1	1.1									5.0	5.5
NW	.8	2.7										3.4	4.1
NNW	.4	1.9	2.7									4.9	6.9
VARBL													
CALM													
	8.4	17.1	26.2	34.6	11.3	3.4						170.0	10.5

TOTAL NUMBER OF OBSERVATIONS 263

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS SEP MONTH  
CLASS ALL WEATHER 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	1.9	1.1								5.3	7.6
NNE	.8	.8	1.1	1.5	1.1	.4						5.7	11.3
NE	1.1	.8	5.7	12.1	5.7	.8						26.1	12.3
ENE	.8		3.8	12.5	4.5	1.1						22.7	14.0
E		1.5	2.7	4.9	3.8	2.3	.4					15.2	15.0
ESE	1.5	1.1		2.3	.4	1.5						6.8	12.2
SE		.8	.4	.8	.4							2.3	10.0
SSE	.4	.4	.4	.4								1.5	7.0
S		.4	1.1									1.5	6.8
SSW		.9										.8	6.0
SW	.8	.4	.4									1.5	4.8
WSW	.4	.8										1.1	4.7
W	.8	.4										1.1	2.3
WNW	.4	1.9										2.3	4.8
NW	1.1	.4	.8									2.3	4.2
NNW	1.5	.4	1.9									3.3	5.0
VARB													
CALM													
	12.6	11.7	20.1	35.6	15.5	6.1	.8					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 264

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 78-80 YEARS SEP MONTH  
2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KMTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.5	.4	.4								2.3	8.3
NNE	.4	.8	1.9	1.9	.4							5.4	10.3
NE	1.2		3.9	12.0	4.6	1.2						22.8	13.6
ENE	.4	1.2	4.2	11.6	9.7	1.9						29.2	14.5
E	.4	3.1	1.9	4.6	5.0	2.7						17.8	14.7
ESE	.8		2.3	1.9	1.2	.8						6.9	12.6
SE	1.2	1.5	.8	.8								4.2	7.4
SSE	1.2	.4	.8									2.3	4.3
S		.8	.4									1.2	6.7
SSW	.4	.8										1.2	3.3
SW	.4	1.5										1.9	4.8
WSW		.4										.4	6.0
W													
WNW		.4										.4	6.0
NW	.8	.8	.8									2.3	5.8
NNW	.8	.4	.8									1.9	5.2
VARB													
CALM													
	7.7	13.5	18.1	33.2	21.8	6.6						100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 259

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEA..S SEP MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	.9	.4								2.7	7.3
NNE	.5	.9	2.1	2.3	.7	.1						6.5	10.5
NE	.5	1.6	5.4	8.8	3.5	.7	.0					20.5	12.5
ENE	.4	1.3	6.0	11.1	6.4	1.4	.0					26.7	13.5
E	.3	1.8	3.3	5.2	4.0	2.2	.0					16.9	14.0
ESE	.5	.6	1.5	2.3	1.3	.7						6.9	12.9
SE	.6	1.1	.6	.9	.2	.1	.0					3.5	8.8
SSE	.3	.6	.8	.3	.0							2.1	7.1
S	.2	.5	.5	.0								1.3	6.1
SSW	.2	.5	.0	.0								.8	4.8
SW	.7	.8	.2									1.7	4.3
WSW	.3	.5	.1									1.0	4.5
W	.4	.8	.0									1.3	4.0
WNW	.5	1.1	.3									1.8	4.9
NW	.7	2.0	.8	.0								3.5	5.3
NNW	.8	1.0	1.1	.1								2.9	5.8
VARBL													
CALM													
	7.2	16.1	23.6	31.5	16.1	5.2	.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 2093

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS OCT MONTH  
0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4		.4								.8	9.0
NNE		1.6	2.0	.8								4.3	8.0
NE		.4	4.3	3.5								8.2	10.4
ENE	.4	2.4	4.3	11.0	3.5	1.2	.4					23.1	13.1
E		1.2	3.1	5.9	5.1	2.7	1.2					19.2	16.3
ESE		.8	2.4	2.7	.4		.4	.4	.4			7.5	14.9
SE		2.0	2.7	1.2								5.9	8.8
SSE	.4	1.2	1.6	1.2								4.3	7.7
S	.4	2.4	.8	.4								3.9	6.5
SSW	.4	1.2	.8	.4								2.7	7.0
SW	.4	2.0	2.4	1.2								5.9	7.0
WSW	.4	.8	.4									1.6	5.3
W	.4	.8										1.2	4.0
WNW	1.2	1.2	.4	.4								3.1	5.6
NW	.4	2.7	2.0	.4								5.5	6.2
NNW		.4	.4	1.6	.4							2.7	11.1
VARBL													
CALM													
	4.3	21.2	27.5	31.0	9.4	3.9	2.0	.8	.4			100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 255

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAJL OPTICAL SITE HI NORTH TOWER 78-80 YEARS OCT MONTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER GLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.4	1.2	1.6								4.3	7.9
NNE	.4		2.8	.8								3.9	7.9
NE		.8	5.1	6.7	.4							13.0	10.5
ENE	.4	1.6	3.5	6.3	5.1	.8	.4					18.1	13.7
E		.8	3.5	5.5	4.3	2.4	1.6					18.1	16.2
ESE	.4	1.2	2.0	1.6	.8		.4	.4				6.7	13.2
SE		1.2	2.4	2.4	.4							6.3	14.2
SSE	.4	1.2	2.4	.8								4.7	7.6
S	.4		1.6	.8								2.3	8.9
SSW	.4		2.4	.4								3.1	8.4
SW		1.6	.8	1.6								3.9	9.4
WSW	.8	.4	1.2	.4								2.8	6.9
W	1.2	1.2										2.4	3.5
WNW	1.2											1.2	3.0
NW	.8	.4	2.4	2.0								5.5	8.1
NNW		.4	1.6	1.2								3.1	9.6
VARB													
CALM													
	7.5	11.0	32.7	31.9	11.0	3.1	2.4	.4				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 254

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS OCT MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.4	.8	1.6	1.6	.4							4.8	10.2
NNE		.4	1.2	.4	.4							2.4	10.2
NE	.8	.8	6.8	4.4	.8							13.5	10.0
ENE		2.4	3.6	6.4	5.2	1.2		.4				19.1	13.8
E	.4	.8	4.0	6.0	3.6	1.2	.8					16.7	13.9
ESE		.8	2.0	2.0	1.2	1.2	.8	.4				8.4	15.9
SE		1.6	2.0	2.0								5.6	8.6
SSE	.4		2.4	2.0								4.8	9.9
S	.4	.8	1.2	1.6								4.0	8.5
SSW	.4	1.6	.8									2.8	5.6
SW		.8	2.0	1.2								4.0	9.1
WSW	1.2	.8	1.2									3.2	5.3
W	.8	.8										1.6	3.8
WNW	.8											.8	2.5
NW			1.6	.8								2.4	14.5
NNW	.4	.4	2.8	2.4								6.0	9.5
VARBL													
CALM													
	6.0	12.7	33.1	30.7	11.6	3.6	1.6	.8				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 251



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUT OPTICAL SITE HT NORTH TOWER STATION NAME 78-80 YEARS OCT MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	1.2	2.4								4.3	10.2
NNE		2.4	2.6	.4								5.5	7.7
NE	.4	2.8	6.3	5.1	.8							15.4	9.7
ENE	.4	.4	3.1	6.3	2.8	1.2						14.2	13.6
E		2.0	2.0	4.7	2.8	2.0	1.6	1.2				16.1	17.0
ESE	.4	.4	3.1	2.0	1.2		.4					7.5	11.9
SE		2.8	2.0	1.2	.8							6.7	8.9
SSE		.8	1.6	1.2	.8							4.3	11.1
S	1.2	1.6	1.6	.8								5.1	6.9
SSW	1.2	.8	2.0		.4							4.3	6.8
SW	.4	.4	1.2	.8								2.8	8.1
WSW	.4	1.2	.8									2.4	5.4
W	1.2	1.2	.4	.4								3.1	5.3
WNW	.8	1.2	.8									2.8	5.1
NW		1.2	1.6	.4								3.1	7.3
NNW		.8	.8	.4	.4							2.4	9.5
VARBL													
CALM													
	6.3	20.5	31.1	26.0	9.8	3.1	2.0	1.2				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 254

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00001 STATION MAUT OPTICAL SITE HI NORTH TOWER 7P-80 YEARS OCT MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.4	1.6		.4							4.3	7.1
NNE	.4	1.2	2.0	.8								4.3	7.7
NE		2.4	4.7	3.5								10.6	8.9
NNE	.4	3.1	3.5	6.7	3.9	.8						18.5	12.4
E	1.6	2.0	3.1	2.8	4.3	1.6		1.2				16.5	14.7
ESE	.4	1.2	1.6	2.0	.8							5.9	10.2
SE	1.2	.4	.8	.8								3.1	7.6
SSE	1.6	2.0	1.2	.4	.4							5.5	6.4
S	.4	3.1	.8	.4								4.7	6.2
SSW		1.6	.4	.8								2.9	8.3
SW	.8	1.2	1.6	1.2								4.7	8.3
WSW	.4	3.5	.8	.4								5.1	5.8
W	.8	2.0										2.8	3.9
WNW	1.2	.8	1.6									3.5	5.3
NW	.8	2.0		1.2								3.9	7.0
NNW	.4	.8	1.2	.8	.4							3.5	9.3
VARBL													
CALM													
	10.2	29.5	24.8	21.7	10.2	2.4		1.2				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 254

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 78-80 YEARS OCT MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥55	%	MEAN WIND SPEED
N		.8	.4	.8								2.2	9.6
NNE		.4	2.0	2.4	.4							5.2	10.9
NE	.4	2.0	3.6	4.8								12.8	9.7
ENE	.4	2.8	4.8	4.4	2.8	.4						15.5	11.5
E		.4	4.8	6.4	3.2	2.8	.8	.8				19.1	15.7
ESE	.4	1.6	1.2	1.6	.4							5.2	9.3
SE	1.2	1.6	1.6	.4								4.3	6.5
SSE		1.2	1.2	1.2								3.6	8.8
S	.4	2.0	.4	.8								3.6	7.1
SSW	.8	2.8	1.2	.8								5.2	5.7
SW	.4	2.4	.8	1.2								4.8	7.4
WSW	1.2	.8	.8									2.8	4.9
W	1.6	2.0	1.2									4.8	5.3
WNW	2.0	3.6	.8									6.4	4.4
NW	.8	.4	.4	.4								2.2	6.4
NNW	.8	.4	2.4	.8								4.4	7.7
VARB													
CALM													
	10.4	25.1	27.5	25.5	6.8	3.2	.8	.8				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 251

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00071 STATION MAUI OPTICAL SITE HT NORTH TOWER STATION NAME 78-80 YEARS OCT MONTH  
1800-2000  
HOURS (L.S.Y.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.4	2.0	2.8	3.2								8.3	9.5
NNE	.4	.4	.4	2.4	1.6							5.1	13.1
NE			3.6	4.3	2.0							9.9	13.0
NNE	.4		3.2	7.1	4.0	2.0		.4				17.0	15.3
E	.8	.8	2.0	5.5	5.1	2.4	.4	.8				17.8	16.5
ESE	.8	.4	2.4	2.4	.8	.8	.4					7.9	12.8
SE	.4	.8	.8	.8	.8	.4						4.0	11.2
SSE			.8	.4								1.2	10.3
S	1.2	1.2	2.4									4.7	6.1
SSW	1.2	3.2	4.0									8.3	6.3
SW	1.2	1.2	1.6	.8								4.7	6.6
WSW	.8	.4										1.2	3.3
W	1.6	.4										2.0	2.8
WNW	.8		1.6	.4								2.8	7.1
NW	1.2	1.2	.4									2.8	4.9
NNW	.4	1.2		.8								2.4	7.2
VARBL													
CALM													
	11.5	13.1	25.7	28.1	14.2	5.5	.8	1.2				120.0	11.6

TOTAL NUMBER OF OBSERVATIONS 253

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HT NORTH TOWER 78-80 YEARS OCT MONTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 2100-2300  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.6	2.0	1.2								5.1	8.2
NNE	1.6	.8	1.2	1.6	.8							5.9	9.1
NE			3.1	3.5	1.6							8.3	12.4
NNE	.4	2.1	5.5	5.5	7.5	2.0						22.8	14.1
E		.4	2.4	4.3	5.1	4.3	.4	.4	.4			17.7	18.5
ESE		.8	1.2	2.0	1.2			.4				5.5	13.9
SE	.4	1.6	1.6	1.2	.8	.8						6.3	10.7
SSE	1.6	1.6	1.2	1.2								5.5	6.5
S	.8	1.6	.4	.8								3.5	6.4
SSW	.4	1.6	1.2									3.1	6.1
SW	.8	1.2	.8	2.4								5.1	8.7
WSW	1.2	.4										1.6	2.8
W		.4										.4	5.0
WNW	1.2	.4		1.2								2.8	6.6
NW		2.4										2.4	5.0
NNW		1.2	1.6	1.2								3.9	7.9
VARA													
CALM													
	8.7	17.7	22.0	26.0	16.9	7.1	.4	.8	.4			100.2	11.8

TOTAL NUMBER OF OBSERVATIONS 254

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 78-80 YEARS OCT MONTH  
ALL WEATHER CLASS ALL HOURS [L.S.T.]  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.1	1.4	.1							4.2	9.0
NNE	.3	.9	1.8	1.2	.4							4.6	9.3
NE	.2	1.1	4.7	4.5	.7							11.2	10.4
ENE	.3	1.8	3.9	6.7	4.3	1.2	.1	.1				18.6	13.5
E	.3	1.0		5.1	4.2	2.4	.8	.5	.0			17.7	16.1
ESE	.3	.9	.0	2.0	.8	.2	.3	.2	.0			6.8	13.0
SE	.4	1.5	1.7	1.2	.3	.1						5.3	9.2
SSE	.5	1.0	1.5	1.0	.1							4.2	8.2
S	.6	1.6	1.1	.7								4.0	7.0
SSW	.6	1.6	1.6	.2	.0							4.1	6.6
SW	.5	1.3	1.4	1.3								4.5	8.1
WSW	.8	1.0	.6	.1								2.6	5.3
W	.9	1.1	.2	.0								2.3	4.3
WNW	1.1	.3	.6	.2								2.9	5.3
NW	.5	1.3	1.0	.6								3.5	7.0
NNW	.2	.1	1.3	1.1	.1							3.6	9.0
VARB													
CALM													
	8.1	15.9	28.0	27.6	11.3	8.0	1.2	.8	.1			101.0	10.9

TOTAL NUMBER OF OBSERVATIONS 2026

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS NOV MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.9	.6									4.6	4.9
NNE	2.3	1.7	2.3	.6								6.9	6.3
NE	.6	1.1	1.7	4.0	2.3							9.7	12.4
ENE		1.7		5.7	2.9		.6					10.9	14.3
E		.6	4.0	2.9	2.9	2.9						13.1	15.5
ESE		1.1	.6	4.6	1.7	1.1						9.1	14.6
SE				1.1								1.1	13.5
SSE	1.1		1.7	2.9	1.1	.6						7.4	12.0
S	1.1	.6	1.7	1.1	.6	1.1						6.3	11.2
SSW		1.7	1.7	1.7								5.1	8.7
SW		1.1	1.1	3.4	.6							6.3	13.3
WSW		.6			.6	.6	.6					2.3	18.8
W	1.1	1.1	1.1									3.4	5.3
WNW		2.3	2.3	.6								5.1	7.3
NW	1.1	.6	2.3									4.0	6.7
NNW	1.7	.6	1.7	.6								4.6	6.1
VARBL													
CALM													
	17.3	17.7	22.9	29.1	12.6	6.3	1.1					170.0	11.2

TOTAL NUMBER OF OBSERVATIONS 175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS NOV MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	2.3	1.7								5.7	8.6
NNE		.6	1.7	1.1	1.1							4.6	12.0
NE		.6	4.6	3.4	2.3							10.9	11.5
ENE	.6	.6	3.4	3.4	2.9							10.9	12.1
E	1.1	.6	1.1	5.2	.6	2.9						11.5	14.0
ESE			1.7	1.1	2.3	2.3	1.7					9.2	19.6
SE			.6	1.1	.6	.6						2.9	15.2
SSE	.6			4.0	.6	1.1	1.1					7.5	16.6
S	.6		.6	1.1		.6						2.9	12.8
SSW	.6	1.7	2.3	.6	.6							5.7	8.6
SW	.6	1.7	2.3	3.4	1.1							9.2	10.4
WSW	.6	1.1	2.3	1.1								5.2	7.8
W	1.1		2.3									3.4	5.8
WNW	.6	1.1	.6	1.7		.6						4.6	10.1
NW		1.1	1.7									2.9	7.6
NNW	1.1	.6		1.1								2.9	7.2
VARB													
CALM													
	8.0	10.9	27.6	30.5	12.1	8.0	2.9					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 174



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

03001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 77-79 YEARS NGV MONTH 0600-0800 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6		.6	.6	.6							2.3	10.5
NNE	.6	1.2	1.7	2.3								5.8	8.8
NE		1.7	2.9	2.9	1.7							9.2	11.3
ENE		2.3	2.3	4.6	1.7							11.2	11.0
E		2.9	3.5	2.3	.6	1.7		.6				11.6	13.1
ESE	.6	.6	1.7	1.2	2.3	2.9	.6					9.8	16.8
SE				3.5			1.2					4.6	17.1
SSE		.6	2.3		.6	1.2	.6					5.2	16.1
S		1.2	1.2	1.2			.6					4.2	12.0
SSW	.6	.6	1.2	1.2	.6		.6					4.6	12.3
SW	2.3	1.7	3.5	2.9	.6							11.0	7.9
WSW	1.7		.6	1.2								3.5	7.0
W	1.2	1.2		.6								2.9	5.4
WNW	1.2	2.3	.6									4.2	5.0
NW	.6	1.2	2.9	.6	1.2	.6						6.9	11.0
NNW	.6	1.7	.6			.6						3.5	7.5
VAPBL													
CALM													
	9.8	19.1	25.4	24.9	9.8	6.5	3.5	.6				170.0	11.3

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 STATION NAME MAUI OPTICAL SYTE HI NORTH TOWER YEARS 77-79 MONTH NOV  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.1									2.3	5.3
NNE		.6		1.7								2.3	12.0
NE	.6	1.1	2.3	1.7	.6							6.3	9.8
ENE		1.1	2.9	5.1	2.9							12.0	12.8
E	.6	.6	1.1	2.3	.6	.6		.6				6.3	14.3
ESE	.6	2.3	1.1	2.3	2.3	1.7						10.3	13.5
SE		1.7	1.7	4.0	1.7	.6						9.7	12.8
SSE		2.3	1.7	1.1	1.1	.6	1.1					8.0	13.8
S	.6		2.3	.6			.6					4.0	11.1
SSW		2.3	.6	1.7								4.6	8.0
SW		2.9	2.3	1.7								6.9	8.3
WSW	.6	2.3	1.7	1.7								6.3	7.8
W													
WNW	1.1	3.4	.6									5.1	4.9
NW	1.7	2.3	1.7	.6	1.7							8.0	8.9
NNW	2.3	1.7	3.4	.6								8.0	5.9
VARBL													
CALM													
	3.6	25.1	24.6	25.1	10.9	3.4	1.7	.6				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE MT NORTH TOWER 77-79 YEARS NOV MONTH  
1200-1400 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE	.6		1.1	1.7								3.3	9.7
NE	.6	2.8	1.7	1.7	.6	1.1						8.3	10.8
ENE	1.1	1.1	3.3	2.2	2.2							9.9	10.2
E	.6	2.2		2.2	1.7		1.1					7.7	13.6
ESE		.6	1.1	3.3	.6		.6					6.1	13.5
SE		2.2	2.8	1.7	4.4	.6	1.1					12.7	14.4
SSE	.6	1.7		3.3		.6						6.1	11.1
S		.6	.6	1.1	1.7	1.1						5.0	15.4
SSW	.6	.6	1.7	.6	.6							3.9	8.7
SW	.6	2.8	1.7	1.1	2.2							8.3	10.3
WSW	2.2	1.7	.6	.6								5.0	5.3
W	1.7	2.2	1.1									5.0	4.7
WNW	3.3	3.3	1.1									7.7	4.4
NW	3.3	2.2		.6	.6							6.6	5.7
NNW	.6	1.7			1.7							3.9	10.1
VARBL													
CALM													
	15.5	26.0	16.6	12.9	16.0	3.3	2.8					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 181

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 77-79 YEARS NOV MONTH 1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5		.5								1.1	7.5
NNE	.5		2.2	.5								3.3	7.8
NIE	.5	.5	1.6	2.2	2.2							7.1	12.0
ENE	.5	.5	1.6	6.0	1.1		.5					10.4	13.3
E	.5	1.1	3.3	3.3	3.3		1.1	.5				13.2	14.8
ESE	.5	.5	.5	.5	1.6	1.1						4.9	15.2
SE	1.1	2.2	2.7	3.3	1.1	.5						11.0	10.2
SSE	.5	1.6	3.3	.5	.5		.5					7.1	10.1
S		.5	1.1	.5	.5	.5						3.3	12.8
SSW	.5	1.1	1.6	1.1		.5						4.4	9.6
SW	1.6	2.2	1.1	2.2	1.1	.5						8.8	9.6
WSW		1.6		.5	.5							2.7	9.2
W	.5	1.6	1.6									3.8	6.6
WNW	2.2	1.6	1.6	.5								6.0	6.5
NW		3.3	1.6		.5							5.5	7.5
NNW	2.7	1.1	1.6	1.1								6.6	5.4
VARBL													
CALM													
	12.1	20.3	25.8	27.1	12.6	3.3	2.2	.5				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 182

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HT NORTH TOWER 77-79 YEARS NOV MONTH  
1800-2000 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5		1.1	.5								2.2	7.4
NNE	.5	.5	1.1		.5							2.7	8.1
NE	.5	.5	3.3	2.7	1.6	.5						9.3	11.2
ENE		.5	4.9	3.3	2.7	1.6	2.2					15.4	16.1
E		.5	2.7	6.0	1.6	1.1						12.1	13.5
ESE	.5		1.1	1.1	1.1							3.8	12.9
SE		1.6	2.7	2.2	1.1	.5						8.2	11.5
SSE		1.1	2.2	.5								3.8	8.4
S	2.2	1.1	.5	2.7	.5							7.1	9.3
SSW	1.1	1.6		1.1	.5	.5						4.9	10.9
SW	.5	1.6	2.2	1.1		.5	.5					6.6	11.4
WSW	.5		1.1		.5							2.2	9.8
W	1.1	.5	2.2									3.8	6.1
WNW	1.6	1.6	1.6									4.9	5.4
NW	2.2	2.2	3.3	1.6								9.3	6.8
NNW	.5	1.1	1.6									3.3	6.2
VARBL													
CALM													
	12.1	14.8	31.9	23.1	10.4	8.9	2.7					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00071 MAINT OPTICAL SITE HI NORTH TOWER STATION NAME 77-79 YEARS NOV MONTH  
CLASS ALL WEATHER 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.7	.6								3.3	7.8
NNE		2.2	2.2									4.4	6.3
NE	1.1	1.1	1.1	3.3	1.7							8.3	11.5
ENE		2.2	7.2	4.4	2.2	2.8						18.8	12.7
E		1.1	2.2	2.8	1.7	2.2	.6					10.5	16.3
ESE		1.1	.6	1.7	3.3							6.6	13.9
SE		.6	1.1	3.3	.6	.6						6.1	12.4
SSE		1.1	2.2	.6								3.9	7.9
S	1.1		1.7	.6	1.1							4.4	10.4
SSW	.6	1.7	1.7		.6	.6	.6					5.5	11.8
SW	1.1	2.2	1.1		1.1							5.5	8.3
WSW	.6	1.1	1.7	1.1		1.1						5.5	11.6
W	1.1	2.2		.6								3.9	5.0
WNW	1.1	.7	2.2									5.0	5.4
NW	1.7	.6	1.7	.6								4.4	6.1
NNW	.6	1.7	1.7									3.9	5.4
VARBL													
CALM													
	9.4	21.1	29.8	19.3	12.2	7.2	1.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 181

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION NAME HAUT OPTICAL SITE HT NORTH TOWER 77-79 YEARS NOV MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.8	.9	.5	.1							2.7	7.4
NNE	.6	.8	1.5	1.0	.2							4.1	8.6
NE	.5	1.2	2.4	2.7	1.6	.2						8.6	11.4
ENE	.3	1.3	3.2	4.4	2.3	.6	.4					12.4	13.0
E	.4	1.2	2.2	3.4	1.6	1.4	.4	.2				10.3	14.4
ESE	.3	.8	1.1	2.0	1.9	1.1	.4					7.4	15.3
SE	.1	1.1	1.5	2.5	1.2	.4	.3					7.1	12.9
SSE	.4	1.1	1.7	1.6	.5	.5	.4					6.1	12.4
S	.7	.5	1.2	1.1	.6	.4	.1					4.6	11.7
SSW	.5	1.4	1.3	1.0	.4	.2	.1					4.9	9.8
SW	.8	2.1	1.9	2.0	.8	.1	.1					7.8	9.6
WSW	.8	1.1	1.0	.8	.2	.2	.1					4.1	9.0
W	1.0	1.1	1.1	.1								3.3	5.5
WNW	1.4	2.2	1.3	.4		.1						5.3	6.0
NW	1.3	1.7	1.9	.5	.5	.1						6.0	7.6
NNW	1.3	1.3	1.3	.4	.2	.1						4.6	6.5
VARBL													
CALM													
	10.8	19.4	25.6	24.3	12.1	5.4	2.2	.2				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 1423

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS DEC MONTH  
0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	.3	.4	1.6	1.6	1.2	.4					7.9	13.0
NNE	.8	.4	2.0	.8	.8	1.2	.4	.8				7.1	16.6
NE	.8	.4	2.0	.8	1.2	.4	.8					6.3	14.1
ENE	.8	.8	5.1	6.7	3.9	2.8	.4	.4				20.9	14.7
E	.4	.4	2.0	3.1	1.6	.8	.4	.4	.4			9.4	16.3
ESE		.4		2.4	1.2							3.9	12.9
SE		.4	1.6	2.0		1.2						5.1	12.5
SSE	1.2	2.0	.8	1.6								5.5	7.6
S		2.0	.4	1.2								3.5	7.8
SSW		1.6	1.2	.8	.4	.4						4.3	10.6
SW	.4	1.2	2.0	2.0	1.6							7.1	11.4
WSW	.8	.4	1.2		.8							3.1	9.1
W	.8	.8	.4	.8	.4							3.1	8.6
WNW			.8	1.2	.4							2.4	12.3
NW	.4	1.2	1.6	.8		.8						4.7	10.7
NNW	.4	.4	1.2	2.0	.4	.8	.4					5.5	13.8
VARBL													
CALM													
	8.7	13.0	22.4	27.6	14.2	9.4	2.8	1.6	.4			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 254



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS DEC  
MONTH  
ALL WEATHER  
CLASS  
0300-0500  
HOURS (L.M.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		.4	1.6	.4	1.2	1.6	.4					5.6	17.1
NNE	.4	.4		.4	1.2	.8	.4	.4				4.0	19.4
NE		.8	3.6	4.0	2.4	.4	.8	.8				12.7	15.5
ENE		.4	3.6	6.4	2.8	2.0	.4	.4				15.9	15.4
E	.4	1.6	3.2	1.6	2.8	.8	.4	.4				11.2	14.1
ESE	.4	.4	1.6	.4	1.6							4.4	11.6
SE			4.4	2.0								6.4	9.7
SSE		1.6	.8	1.6								4.0	9.1
S	.8	.8	1.2	.4								3.2	6.6
SSW	1.2	.8	2.4	.8								5.2	7.5
SW	.4	2.4	1.6	1.2	.4	.4						6.4	8.6
WSW	.8	.8	.8	.8	.4							3.6	9.0
W		.4	.8	.8	.4							2.4	11.5
WNW	.4	1.6	.8	.4								3.2	5.9
NW			1.2	2.0	.4	.4	.4					4.4	14.8
NNW	1.6	.8	1.6	2.4	.4	.8						7.6	10.2
VARBL													
CALM													
	6.4	13.1	29.1	25.5	13.9	7.2	2.8	2.0				100.2	12.6

TOTAL NUMBER OF OBSERVATIONS 251

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00001 STATION NAME MAINT OPTICAL SITE HT NORTH TOWER YEARS 77-79 MONTH DEC  
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.4	.4	1.6	1.6	.4	.4		.4				5.2	14.1
NNE			.8	2.4	1.2		1.6	.8				6.9	20.7
NE		.4	.8	2.4	2.0	1.2	1.2	.4				8.5	18.9
ENE	.4		3.6	8.1	3.6	.4		.4				16.5	14.4
E	.4	2.0	2.0	4.0	.4	2.0	.4		.4			11.7	14.5
ESE	.4	.4	2.4	2.8	.8	.8						7.7	12.3
SE		.8	2.4	1.6								4.8	9.3
SSE	.4		2.4	.8								3.6	8.9
S			.8	.8	.4	.4						2.4	14.5
SSW	.4	1.2	.4	.4				.8				3.2	14.3
SW		2.4	3.6	2.0	.4	.4						8.9	10.0
WSW	3.2	1.2	1.2	.4								6.0	4.9
W		.4	.6	.8								2.0	10.8
WNW	.8			2.0								2.8	10.1
NW		.4	.4	.8		.4						2.0	12.8
NNW		.8	2.0	2.0	1.6	1.2						7.7	13.8
VARBL													
CALM													
	6.5	10.5	25.4	33.1	10.9	7.3	3.2	2.8	.4			100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 248

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79 YEARS DEC MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		.4	1.2	2.4	.8	2.0		.8				7.8	17.6
NNE	1.6	1.2	.8	2.0	.8	1.2	.4	.4				8.6	13.5
NE	.8	1.2	1.6		.8	1.6	.8					6.9	15.2
ENE	.8	.8	1.2	5.7	2.4	1.2	.4					12.7	14.6
E		2.9	1.2	1.6	.8	1.6	.8					9.0	14.3
ESE	.4	.4	.8	2.0	2.0	1.2						6.9	15.5
SE	.8		3.7	2.9								7.3	9.1
SSE	.4	1.6	1.6	1.2	.4	.4						5.7	10.0
S			.4	.8	1.2	.8						3.3	18.0
SSW		.4	2.9	.4		.4			.4			4.5	13.6
SW	1.6	.8	2.4	1.2	1.2							7.3	9.6
WSW		.4	1.2	.4								2.0	9.2
W	.8	.4	.8	1.2								3.3	7.4
WNW	.8		.8	1.6								3.3	9.8
NW	.4	.4	1.2	1.6								3.7	9.2
NNW	1.2	1.2	1.6	1.2	.8	1.6						7.8	12.2
VARBL													
CALM													
	9.8	12.2	23.7	26.5	11.4	12.2	2.4	1.2	.4			100.0	13.0

TOTAL NUMBER OF OBSERVATIONS 245

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MA

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.8	2.5	.9	2.1		.9				7.9	17.7
NNE	1.2	.8	2.1	.4		1.2	.9	.4				7.1	14.4
NE		.8	3.3	1.2	2.1							7.5	11.7
ENE	.4	.8	.8	4.6	4.6	1.7				.4		13.3	16.6
E		1.7	2.1	1.7	.8	1.7						7.9	13.8
ESE		.4	1.2	1.2	.8	2.1		.4				6.2	18.4
SE	.4	1.2	1.7	2.9								6.2	9.9
SSE	.4	1.2	1.2	2.1	.9							5.8	10.2
S	1.2			.4	.4							2.1	8.8
SSW			3.3	1.7	.4							5.4	10.5
SW	.4	.4	.4	2.5	2.5							6.2	13.8
WSW	.8		.8	.4								2.1	6.4
W		1.2	1.2	.4								2.9	7.4
WNW	.4	1.2	.8	.4	.4							3.3	8.0
NW	1.2	2.1	.9	1.2	.9	.4						6.6	9.9
NNW	.4	1.2	2.9	3.7	1.2							9.5	11.0
VARB													
CALM													
	7.5	13.7	23.7	27.4	15.8	9.1	.8	1.7		.4		100.7	12.9

TOTAL NUMBER OF OBSERVATIONS 241

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

00001  
STATIONMAJL OPTICAL SITE HI NORTH TOWER  
STATION NAME77-79  
YEARSDEC  
MONTHALL WEATHER  
CLASS1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.3	2.5	1.6	1.2	1.6	1.6	.4				12.3	17.4
NNE	.4	2.1	.8	.8	1.2		.4	.8				6.6	14.3
NE	.8	1.2	1.2	1.2	.8	1.2	.4		.4			7.4	14.8
ENE	.4	1.2	2.9	4.1	3.7	1.6	.8					14.8	15.3
E	.4	.8		2.9	1.6	.4	.8		.4			7.4	17.0
ESE		.4	.8	.4	.4	2.5						4.5	17.9
SE	.4	1.6	2.2	.4	.4							4.9	7.9
SSE	.4	.8	1.6	1.6	.4							4.9	10.0
S	.4			.4								.8	8.5
SSW	.4	.8	1.2		.4							2.9	7.6
SW	.8	.8	1.2	2.9	.4		1.2					7.4	13.6
WSW		1.2	2.5	.8	.8							5.3	9.6
W	.8	.4	1.2	.4								2.9	6.5
WNW	.4	1.6	1.6	.8	.4							4.9	8.3
NW	1.2	2.1	.8	2.1	1.2							7.4	9.4
NNW	.4	.8	.4	2.9	1.2	1.2	.4					7.4	15.2
VARBL													
CALM													
	7.8	16.9	21.0	23.5	14.4	8.6	5.8	1.2	.8			100.0	13.3

TOTAL NUMBER OF OBSERVATIONS

243

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE MT NORTH TOWER 77-79 YEARS DEC MONTH  
1870-2000 HOURS [L.S.T.]

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.8	2.4		3.2	.4	.4				9.2	16.8
NNE	.4	.8	2.0	4.4		2.4	.8	1.2				12.0	17.2
NE	.4	.8	2.0	2.8	2.4	.8						9.2	13.8
ENE	.4	1.2	2.4	2.4	3.2	2.4	.4					12.4	15.2
E	.4	.4	2.0	3.6	1.2	1.2	.8	.8				10.4	16.7
ESE		.4	.8	1.2	.4	2.0		.4	.4			5.6	19.7
SE	.4	.4	.4	1.2	.8							3.2	12.5
SSE		1.2		3.2								4.4	10.9
S	.4		.4	.8	.4							2.0	10.6
SSW	.4		.8		.8							2.0	11.2
SW	1.2	.4	1.6	.8		1.2						5.2	11.1
WSW	.4	.8	1.2	3.6								6.0	10.9
W	.8	.8	2.0	1.2								4.8	7.5
WNW	.4	1.2	.4	1.2								3.2	8.3
NW		.4	1.2	2.0	.4	.4						4.4	12.1
NNW	.4	2.0		1.2	1.2	.4	.4					5.6	12.9
VARBL													
CALM													
	6.4	12.4	18.1	32.1	10.8	14.1	2.8	2.8	.4			100.0	14.1

TOTAL NUMBER OF OBSERVATIONS 249

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUT OPTICAL SITE HT NORTH TOWER 77-79 YEARS DEC  
MONTH  
ALL WEATHER CLASS 2100-2300  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	.4	1.6	1.2	1.2	1.2						5.8	14.1
NNE	1.6	.4	1.9	2.7	1.9	2.3	1.2	.4				12.5	16.3
NE	.4		1.6	2.3	1.2	1.2		1.6				6.2	19.1
ENE		.8	3.1	5.1	2.7	1.2	.4	1.2				14.4	16.0
E	.4	1.9	1.2	3.5	1.6	1.6	1.2	1.2	.4			12.8	17.6
ESE		.4	.4	1.9	1.9	.4						5.1	15.2
SE			1.6	1.2	.8							3.5	12.8
SSE		.4	.8	1.9								3.1	11.0
S		.4		.4	.4							1.2	11.3
SSW	.4	1.2	.4	.8								2.7	6.7
SW		1.2	1.9	3.5	.8							7.4	11.6
WSW	.4	1.6	1.9	1.9	.8							6.6	9.4
W	.8	1.6	.8	.8								3.9	6.8
WNW	.8		.4		.4							1.6	7.8
NW	.8	1.6	.4	1.6	1.2							5.4	10.1
NNW	.8	.8	1.2	1.2	1.2		.8					5.8	13.3
VARBL													
CALM													
	6.6	12.5	19.1	30.0	16.0	7.8	3.5	4.3	.4			100.0	14.0

TOTAL NUMBER OF OBSERVATIONS 257

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
ALL  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	1.3	1.7	.9	1.7	.4	.4				7.4	16.1
NNE	.8	.8	1.3	1.8	.9	1.2	.8	.7				8.1	16.4
NE	.4	.7	2.0	1.9	1.6	.9	.5	.4	.1			8.4	15.5
ENE	.4	.8	2.9	5.4	3.4	1.7	.4	.3		.1		15.1	15.2
E	.3	1.5	1.7	2.8	1.4	1.3	.6	.4	.2			10.0	15.6
ESE	.2	.4	1.0	1.6	1.2	1.1		.1	.1			5.5	15.5
SE	.3	.6	2.2	1.8	.3	.2						5.2	10.2
SSE	.4	1.1	1.2	1.8	.2	.1						4.6	9.7
S	.4	.4	.4	.7	.4	.2						2.3	10.9
SSW	.4	.8	1.6	.6	.3	.1		.1	.1			3.8	10.3
SW	.6	1.2	1.9	2.0	.9	.3	.2					7.0	11.2
WSW	.8	.8	1.4	1.1	.4							4.4	8.7
W	.5	.8	1.0	.8	.1							3.2	8.0
WNW	.5	.7	.7	1.0	.2							3.1	8.7
NW	.5	1.0	1.0	1.5	.5	.3	.1					4.8	10.8
NNW	.7	1.0	1.4	2.1	1.0	.8	.3					7.1	12.7
VARBL													
CALM													
	7.4	13.0	22.8	28.2	13.4	9.5	3.0	2.2	.4	.1		100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 1988



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00001 STATION MAUI OPTICAL SITE HI NORTH TOWER 77-80 YEARS ALL MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	1.2	1.1	.3	.3	.1	.1				4.4	10.7
NNE	.4	1.2	1.8	1.4	.4	.2	.1	.1				5.6	10.4
NE	.3	1.3	3.7	3.9	1.4	.4	.1	.7	.0			11.1	11.6
ENE	.3	1.5	4.8	6.4	3.1	1.2	.2	.1		.0	.0	17.7	13.1
E	.3	1.2	2.9	4.3	2.5	1.6	.4	.2	.0	.0		13.5	14.5
ESE	.3	.8	1.6	2.0	1.2	.8	.1	.1	.0			6.7	13.6
SE	.3	1.0	1.4	1.4	.5	.3	.1	.0				5.0	10.9
SSE	.4	.9	1.1	1.0	.3	.1	.1	.1	.0			3.3	10.5
S	.4	.7	.7	.6	.3	.2	.1	.0	.0			2.9	10.7
SSW	.4	.8	.7	.5	.3	.3	.1	.1	.0	.0		3.2	11.4
SW	.5	1.7	1.2	1.3	.8	.5	.2	.1	.0			5.6	12.6
WSW	.6	.8	.7	.7	.3	.1	.1	.0	.0			3.2	9.7
W	.8	1.1	.7	.5	.2	.1	.0	.0				3.5	7.7
WNW	.3	1.2	.9	.6	.2	.1	.0	.0				3.8	7.7
NW	.8	1.4	1.4	1.0	.5	.3	.1	.0				5.5	9.7
NNW	.5	1.0	1.3	1.1	.3	.2	.0					4.5	9.6
VARBL													
CALM												.0	
	7.5	16.9	26.1	27.7	12.7	6.5	1.3	.8	.1	.0	.0	120.7	11.7

TOTAL NUMBER OF OBSERVATIONS 19385

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
  - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OLA to present these data may result in differences not exceeding  $\pm 1^\circ$  from directly converted values but excludes no Fahrenheit values.

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) ‡ indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

1. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

2C

## 10

00001  
STATS

MAUI OPTICAL SITE #1 NORTH TOWER  
STATION NAME

78-80

JAN

**STATION**

STATION NAME.

**YEARS**

MONTH

PAGE 1

0000-0200

HOURS (L, S, T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL-A)

## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

PAGE 2

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

STATION

STATION NAME

YEARS

JAN

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
48/ 47																			1			
46/ 45																			4			
44/ 43		3.7			1.2				6.1	1.2								10	14	1		
42/ 41						2.4	1.2	1.2	8.5									11	11	2	3	
40/ 39		1.2		1.2	2.4	3.7	6.1	8.5	3.7									22	22			
38/ 37	1.2	1.2			2.4	2.4	11.0	4.9										19	19	2	1	
36/ 35					2.4	4.9	4.9	1.2										11	11	2	1	
34/ 33			1.2		2.4			1.2										4	4	3	1	
32/ 31		1.2			1.2													2	2	3		
30/ 29			1.2															1	1	13		
28/ 27																				16	1	
26/ 25																				29	2	
24/ 23		1.2	1.2															2	2	8	2	
22/ 21																				2	1	
20/ 19																				1	3	
18/ 17																					3	
16/ 15																					2	
14/ 13																					3	
12/ 11																					5	
10/ 9																					2	
8/ 7																					4	
6/ 5																					6	
4/ 3																					4	
2/ 1																					3	
0/ -1																					5	
-2/ -3																					3	
-4/ -5																					2	
-6/ -7																					1	
-8/ -9																					5	
-10/-11																					1	
-12/-13																					1	
-14/-15																					4	
-16/-17																					3	
-18/-19																					3	
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



## PSYCHROMETRIC SUMMARY

**YEARS**

**JAN**  
**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
54/ 53								1.2										1	1						
52/ 51										1.2	1.2							2	2						
50/ 49						1.2				2.4	1.2							4	4						
48/ 47					1.2				4.8	3.6								8	12						
46/ 45		1.2						3.6	2.4	1.2								7	9	1	1				
44/ 43					1.2	1.2	1.2	2.4	4.8									9	9						
42/ 41		2.4				3.6	2.4	4.8	2.4									13	13	1					
40/ 39		2.4		3.6		9.6	2.4	1.2	2.4									18	18	5					
38/ 37		1.2	2.4		2.4	1.2	2.4											8	8	3	4				
36/ 35		3.6	3.6	1.2	1.2		1.2											9	9	2	1				
34/ 33																				10					
32/ 31																				20	4				
30/ 29	2.4		1.2															3	3	19	8				
28/ 27	1.2																	1	1	15	2				
26/ 25																				7	4				
24/ 23																					1				
22/ 21																					2				
20/ 19																					4				
18/ 17																					1				
16/ 15																					3				
14/ 13																					2				
12/ 11																					6				
10/ 9																					4				
8/ 7																					2				
6/ 5																					1				
4/ 3																					4				
2/ 1																					5				
0/ -1																					6				
-2/ -3																					3				
-4/ -5																					2				
-6/ -7																					2				
-8/ -9																					3				
-10/-11																					5				
-14/-15																					2				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

0900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-24/-25																					1	
TOTAL	3.6	10.6	7.2	4.8	6.0	16.9	9.6	13.3	16.9	8.4	2.4								83	89	83	
																			83	93		
																					</	

FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM  
FH A-4

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**JAN**  
**MONTH**

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

STATION

STATION NAME

YEARS

JAN  
MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
53/ 49									1.2									1	1														
48/ 47								1.2		1.2								2	3														
46/ 45								1.2	3.6	7.2								10	11														
44/ 43								6.0	7.2	1.2								12	16														
42/ 41							3.6	9.6	6.0									16	16														
40/ 39			2.4		2.4	1.2	3.6	7.2	1.2									15	15														
38/ 37				2.4	1.2	1.2		6.0										9	9														
36/ 35				1.2	1.2		1.2											3	3		2												
34/ 33	2.4	2.4		1.2														5	5		9	3											
32/ 31	1.2		2.4	1.2		1.2	1.2											6	6		4	4											
30/ 29		1.2	1.2															2	2		19												
28/ 27	1.2	1.2																2	2		29	2											
26/ 25																					15	2											
24/ 23																					3	1											
22/ 21																					2	3											
20/ 19																						2											
18/ 17																						2											
16/ 15																						3											
14/ 13																						1											
12/ 11																						2											
10/ 9																						1											
8/ 7																						5											
6/ 5																						4											
4/ 3																						2											
2/ 1																						5											
0/ -1																						5											
-2/ -3																						3											
-4/ -5																						4											
-6/ -7																						7											
-8/ -9																						4											
-10/-11																						6											
-12/-13																						4											
-14/-15																						5											
-16/-17																						2											
Element (X)	Σ X <sup>2</sup>				Σ X				X	°X	No. Obs.				Mean No. of Hours with Temperature																		
Rel. Hum.															≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total						
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
JAN  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

YEARS

JAN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
50/ 49										1.2								1	1					
48/ 47										2.4								2	5					
46/ 45									3.6	2.4								5	5					
44/ 43		1.2		1.2			1.2	1.2	8.3	3.6								14	16					
42/ 41			1.2				1.2	3.6	7.1									11	12	1				
40/ 39			1.2	1.2		2.4	2.4	14.3	3.6									21	21		1			
38/ 37				2.4			6.0	1.2										8	8	2				
36/ 35		3.6		1.2		2.4	3.6	2.4										11	11	1	1			
34/ 33						2.4	1.2											3	3	4	3			
32/ 31	1.2	1.2				1.2												3	3	6	2			
30/ 29	1.2		2.4															3	3	13	1			
28/ 27		1.2	1.2															2	2	27	1			
26/ 25																				20	4			
24/ 23																				8	1			
22/ 21																				2	2			
18/ 17																					2			
16/ 15																					1			
14/ 13																					1			
12/ 11																					2			
10/ 9																					2			
8/ 7																					1			
6/ 5																					3			
4/ 3																					5			
2/ 1																					6			
0/ -1																					3			
-2/ -3																					7			
-4/ -5																					3			
-6/ -7																					3			
-8/ -9																					4			
-10/ -11																					5			
-12/ -13																					4			
-14/ -15																					1			
-16/ -17																					3			
-18/ -19																					3			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JAN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

ALL

ALL  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

STATION

STATION NAME

YEARS

JAN  
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-14/-15																					18			
-16/-17																					14			
-18/-19																					8			
-20/-21																					5			
-22/-23																					9			
-24/-25																					6			
-26/-27																					2			
-28/-29																					4			
-30/-31																					1			
-32/-33																					3			
-34/-35																					2			
-36/-37																					1			
-38/-39																					1			
-42/-43																					1			
-44/-45																					1			
-46/-47																					3			
-48/-49																					2			
-52/-53																					1			
TOTAL	2.6	6.9	5.9	4.7	7.7	10.5	13.4	20.0	19.6	7.2	1.5								721		664			

Element (X)	Z <sub>y</sub>	Z <sub>x</sub>	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel Hum	1126452	21072	31.7	26.275	664	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	744
Dry Bulb	1209250	29298	40.6	5.099	721		49.5					744
Wet Bulb	581200	19448	29.3	4.180	664		593.3					744
Dew Point	223105	3603	5.4	17.522	664	309.3	702.5					744

## PSYCHROMETRIC SUMMARY

YEARS

0000-0200

HOURS (L, T, I.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
50/ 49										.8								1	1									
48/ 47										1.6								2	2									
46/ 45		2.4								1.6	4.0							10	10									
44/ 43		7.2								3.2	3.2							17	17	5								
42/ 41		2.4		1.6	1.6			1.6	.8	1.6								12	14	8								
40/ 39		2.4	1.6	3.2	3.2			2.4	4.8	.8								23	25	3								
38/ 37	1.6	3.2		.8	1.6	.8		.8	5.6									18	26	8								
36/ 35	3.2	4.0		3.2	.8	1.6	.8	1.6										19	29	11								
34/ 33	1.6	1.6	.8		.8			.8										7	15	11								
32/ 31	1.6	.8	.8	1.6				4.0										11	14	14								
30/ 29																				17								
28/ 27	.8				.3	.8												3	3	14								
26/ 25	.8			.8														2	2	16								
24/ 23																				10								
22/ 21																				1								
20/ 19																				7								
18/ 17																												
16/ 15																												
14/ 13																												
8/ 7																												
6/ 5																												
2/ 1																												
0/ -1																												
-2/ -3																												
-4/ -5																												
-6/ -7																												
-8/ -9																												
-10/-11																												
-12/-13																												
-14/-15																												
-16/-17																												
-18/-19																												
-20/-21																												
-22/-23																												
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature												
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																												
Wet Bulb																												
Dew Point																												

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FFB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
50/ 49										.5								1		1																			
48/ 47									.8	8.2								11		11																			
46/ 45		2.5								4.1								8		8		1																	
44/ 43		2.5						.8	1.6	1.6	.8							9		9		3	3																
42/ 41		2.5		3.3	1.6	.8	.8	1.6	4.9									19		19		3	3																
40/ 39	1.6	5.7	.8	1.6	2.5	.8		.8	2.5									20		27		6	3																
38/ 37	1.6	3.3	1.6	.8	1.6	.8	.8	4.9										19		31		10	9																
36/ 35	4.1	4.9	2.5	.8			.8	1.6										18		26		17	9																
34/ 33	.8	1.6	1.6	.8			1.6											8		11		9	7																
32/ 31	.8			.8			2.5											5		8		16	5																
30/ 29		.8	.9															2		3		22	4																
28/ 27		.8																1		1		9	8																
26/ 25		.8																1		1		14	4																
24/ 23																						7	3																
22/ 21																						2	5																
20/ 19																						3	2																
18/ 17																							2																
16/ 15																							1																
14/ 13																							4																
12/ 11																							1																
10/ 9																							2																
8/ -1																							2																
-2/ -3																							1																
-4/ -5																							3																
-6/ -7																							5																
-8/ -9																							2																
-10/ -11																							2																
-12/ -13																							3																
-14/ -15																							4																
-16/ -17																							5																
-18/ -19																							5																
-20/ -21																							5																
-22/ -23																							1																
-24/ -25																							2																
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.																			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

FORM 0-26-5 (OLA) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC



## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

FFB

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
50/ 49										.8								1	1					
48/ 47										5.6								7	7					
46/ 45										5.6								7	7					
44/ 43		1.6							4.0	1.6								9	9	2				
42/ 41	.8	4.0		.8		1.6	.8	2.4	2.4									16	17	3				
40/ 39		8.1	1.6	2.4	3.2	.8		2.4	1.6									25	33	6				
38/ 37	3.2	2.4	1.6		.8	.8	1.6	4.0										18	24	13				
36/ 35	1.6	2.4	1.6		.8	.8	.8	.8										10	16	9				
34/ 33	3.2	4.8	1.6	2.4	2.4		2.4	.8										22	33	15				
32/ 31		1.6			.8	1.6	.8											6	6	14				
30/ 29		.8																1	2	18				
28/ 27		1.6																2	2	18				
26/ 25																				11				
24/ 23																				8				
22/ 21																				7				
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
2/ 1																								
0/ -1																								
-4/ -5																								
-6/ -7																								
-8/ -9																								
-10/-11																								
-12/-13																								
-14/-15																								
-16/-17																								
-18/-19																								
-20/-21																								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.							</																	

USAFETAC FORM 0-26-5 (PLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

FEB  
MONTH

PAGE 2 0600-0800  
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FEB  
MONTH

STATION

STATION NAME

YEARS

PAGE 1

0900-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	W. Bulb	Dew Point
56/ 55											1.7	.8						3	3	
54/ 53										.8	.8							2	2	
52/ 51										.8	5.1							7	7	
50/ 49									1.7	.8	1.7							5	6	
48/ 47			.8	.8		.8			1.7	3.4								9	9	
46/ 45		4.2	.8		1.7		.8	.8	2.5	.8								14	15	1
44/ 43		3.4	2.5	.8	.8	.8	1.7		2.5									15	16	7
42/ 41		1.7	.8	.8		.8		1.7										7	11	6
40/ 39	1.7	6.8	2.5	.8	.8	1.7			.8									18	26	8
38/ 37	5.9	5.1	1.7				.8	4.2										21	29	20
36/ 35	.8	1.7	2.5		.8		.8	.8										9	16	16
34/ 33	3.4			.8														5	11	18
32/ 31				1.7														2	3	15
30/ 29																			7	5
28/ 27				.8														1	1	9
26/ 25																			4	2
24/ 23																			5	1
22/ 21																			2	2
20/ 19																				4
18/ 15																				5
14/ 13																				1
10/ 9																				2
8/ 7																				2
6/ 5																				1
4/ 3																				3
2/ 1																				2
0/ -1																				5
-2/ -3																				2
-4/ -5																				1
-6/ -7																				4
-8/ -9																				5
-10/ -11																				4
-12/ -13																				2
-16/ -17																				1
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
58 / 57											.8	.8						2	2					
56 / 55										1.7	3.3	.8						7	7					
54 / 53											.8							1	1					
52 / 51				.8				.9	1.7	.9	.8							6	6					
50 / 49		1.7	.8					.8		3.3								8	8					
48 / 47		.8	1.7			2.5	4.1		2.5	.8								15	15	2	1			
46 / 45		5.0	2.5	.8	3.3	.8	.8	1.7	.8	.8								20	20	8	2			
44 / 43	.8	5.0	3.3	.8	2.5	.8	2.5		2.5									22	24	10	9			
42 / 41		3.3		.8	.8			.8										7	12	4	8			
40 / 39	.8	4.1	1.7	.8	1.7	.8	1.7											14	19	16	4			
38 / 37	1.7	3.3				.8		4.1										12	21	21	11			
36 / 35	.8				.8			.8										3	12	19	8			
34 / 33	1.7		.8	.8														4	9	13	6			
32 / 31																			1	10	2			
30 / 29																				5				
28 / 27																				7	6			
26 / 25																				3	5			
24 / 23																				3	5			
22 / 21																					5			
20 / 19																					2			
18 / 17																					5			
16 / 15																					5			
14 / 13																					1			
12 / 11																					3			
10 / 9																					1			
8 / 7																					4			
6 / 5																					3			
4 / 3																					2			
2 / 1																					4			
0 / -1																					3			
-2 / -3																					4			
-4 / -5																					3			
-6 / -7																					1			
-10 / -11																					1			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
53/ 57												.8							1	1			
56/ 55											1.7	1.7							4	4			
54/ 53										.8	3.3								5	5			
52/ 51							.8				.8								2	2			
50/ 49						.8		.8		1.7									4	4			
48/ 47		2.5					1.7	2.5	1.7	.8									11	11			
46/ 45		5.0	1.7			2.5		.8	4.2	1.7									19	19	3		
44/ 43		7.5	2.5	.8	.8	5.0		.8	1.7										23	24	12		
42/ 41		7.5	.8	2.5	.8	2.5			.8										18	22	7		
40/ 39	1.7	4.2	1.7			.8			2.5										13	19	19		
38/ 37	1.7	1.7	2.5			.8	1.7	1.7											12	19	10		
36/ 35	.8	.8	2.5					.8											6	15	20		
34/ 33																				8	17		
32/ 31		.8					.8												2	3	11		
30/ 29																					6		
28/ 27																					5		
26/ 25																					6		
24/ 23																					3		
22/ 21																							
20/ 19																					4		
18/ 17																					1		
16/ 15																					3		
14/ 13																					4		
12/ 11																					2		
8/ 7																					2		
6/ 5																					1		
4/ 3																					1		
2/ 1																					4		
0/ -1																					5		
-2/ -3																					2		
-4/ -5																					1		
-6/ -7																					5		
-8/ -9																					2		
-10/-11																					3		
-10/-11																					1		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 6 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS FEB MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FEB  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
52/ 51											.8								1	1				
50/ 49										.8	1.7								3	3				
48/ 47										.8									1	1				
46/ 45		.8								.8									2	2				
44/ 43	.8	5.0						1.7	2.5	3.4									16	16	4	3		
42/ 41	.8	10.9		1.7	1.7			2.5	3.4	5.0									31	33	7	7		
40/ 39	3.4	3.4	4.2	2.5	.8	1.7	.8	3.4	1.7										26	30	18	12		
38/ 37	.8	2.5	1.7	.8	2.5		.8	1.7											13	21	4	8		
36/ 35	3.4	1.7	2.5			.8	1.7	2.5											15	22	17	5		
34/ 33		3.4			.8	.8	.8	.8											8	16	10	5		
32/ 31			.8			.8													2	8	9	7		
30/ 29		.8																	1	2	17	4		
28/ 27																				1	9	7		
26/ 25																				1	13	3		
24/ 23																					8	2		
22/ 21																					3	1		
20/ 19																						1		
18/ 17																						2		
16/ 15																						3		
14/ 13																						2		
12/ 11																						4		
10/ 9																						3		
8/ 7																						1		
6/ 5																						3		
4/ 3																						1		
2/ 1																						1		
0/ -1																						5		
-2/ -3																						3		
-4/ -5																						2		
-6/ -7																						2		
-8/ -9																						2		
-10/-11																						1		
-12/-13																						3		
-14/-15																						1		
-16/-17																						4		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

443

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

1300-2000

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

03001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

FEB  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
50/ 49										.8	.8							2	2					
48/ 47										.8								1	1					
46/ 45		.8							1.7	1.7								5	5					
44/ 43		6.7				.8		.8	3.3	1.7								16	17	3				
42/ 41	.8	7.5		1.7		2.5	.8	.8	5.8									24	25	10	7			
40/ 39	.8	4.2	2.5	3.3	4.2	1.7	.8	2.5	.8									25	6	9	12			
38/ 37	1.7	2.5	.8			.8	.8	8.5										18	25	6	6			
36/ 35	.8		1.7	4.2	.8	.8		.8										11	25	9	4			
34/ 33	.8	3.3	1.7	.8		.8		.8										10	18	14	2			
32/ 31			.8			.8												2	7	9	8			
30/ 29		2.5	.8															4	5	20	3			
28/ 27		.8	.8															2	3	11	5			
26/ 25																			1	17	5			
24/ 23																				10	5			
22/ 21																				2	8			
20/ 19																					3			
18/ 17																					4			
16/ 15																					1			
12/ 11																					2			
10/ 9																					2			
5/ 7																					1			
6/ 5																					2			
4/ 3																					1			
0/ -1																					1			
-2/ -3																					3			
-4/ -5																					2			
-6/ -7																					2			
-8/ -9																					1			
-10/-11																					3			
-12/-13																					1			
-14/-15																					2			
-16/-17																					3			
-18/-19																					3			
-20/-21																					6			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

00001	MAUI OPTICAL SITE HI NORTH TOWER	79-80
STATION	STATION NAME	

FEB

**MONTH**

PAGE 1

ALL

**ALL**  
**HOURS (L.S.T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
FEB  
MONTH

PAGE 2      ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
50/ 49										1.5								2	2						
48/ 47							.7			.7								2	2						
46/ 45							2.9	3.6	.7	.7								11	11						
44/ 43				.7			.7	3.6	7.3	.7								18	18						
42/ 41		1.5		2.2	.7	4.4	1.5	6.6	5.8									31	31	1	1				
40/ 39		4.4	.7		.7	3.6	5.1	9.5	5.8									41	41	3	2				
38/ 37	1.5	2.2		1.5	.7	2.9	.7	2.2										16	16	11	3				
36/ 35	.7	1.5	1.5	1.5	.7	.7												9	9	7	5				
34/ 33		1.5				.7	1.5											5	5	11	4				
32/ 31							.7											1	1	19	4				
30/ 29																				21	3				
28/ 27																				33	2				
26/ 25																				23	3				
24/ 23	.7																	1	1	5	3				
22/ 21																				2	1				
20/ 19																				1	4				
18/ 17																					6				
16/ 15																					4				
14/ 13																					6				
12/ 11																					5				
10/ 9																					4				
8/ 7																					9				
6/ 5																					5				
4/ 3																					3				
2/ 1																					6				
0/ -1																					7				
-2/ -3																					5				
-4/ -5																					6				
-6/ -7																					5				
-8/ -9																					2				
-10/-11																					3				
-12/-15																					3				
-16/-17																					5				
-18/-19																					2				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

**YEARS**

MAR  
MONTH

PAGE 2

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

0300-0500  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
50/ 49									.7	1.5								3	3					
48/ 47								1.5	2.9									6	6					
46/ 45							1.5	1.5	4.4									11	11					
44/ 43		.7			1.5	.7	2.9	2.9	11.8									28	28					
42/ 41		3.7			4.4	1.5	5.1	8.1	6.6									40	40	3	1			
40/ 39	.7	2.9	.7	.7		1.5	3.7	5.9	2.2									25	25	8	7			
38/ 37	.7			.7	1.5	.7	2.9											10	10	1	4			
36/ 35	2.2	1.5				2.2	1.5											10	10	10	3			
34/ 33		.7				.7												2	2	14	1			
32/ 31																				15	1			
30/ 29																				21	1			
28/ 27																				46	5			
26/ 25																				15	2			
24/ 23																				2	3			
22/ 21		.7																1	1		2			
20/ 19																				1	2			
18/ 17																					2			
16/ 15																					3			
14/ 13																					8			
12/ 11																					7			
10/ 9																					5			
8/ 7																					5			
6/ 5																					5			
4/ 3																					7			
2/ 1																					8			
0/ -1																					9			
-2/ -3																					5			
-4/ -5																					9			
-6/ -7																					5			
-8/ -9																					6			
-10/-11																					3			
-12/-13																					2			
-14/-15																					2			
-16/-17																					1			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													

## PSYCHROMETRIC SUMMARY

**YEARS**

MAR  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

YEARS

MAR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
48/ 47								1.5	1.5	3.0								6	8															
46/ 45					.8		3.0	5.3	5.3	1.5								21	21															
44/ 43		1.5				.8	.8	4.5	8.3									21	21															
42/ 41		.8	.8		2.3	1.5	2.3	9.8	6.1									31	31															
40/ 39	.8	6.1				2.3	4.5	4.5	.8									25	25															
38/ 37	2.3	2.3		.8	2.3	1.5	1.5	2.3										17	17															
36/ 35	.8			.8			.8											3	4															
34/ 33				.8			.8	.8										3	3															
32/ 31						.8												1	1															
30/ 29					.8	.8												2	2															
28/ 27																																		
26/ 25																																		
24/ 23																																		
22/ 21																																		
20/ 19																																		
18/ 17																																		
16/ 15																																		
14/ 13																																		
12/ 11																																		
10/ 9																																		
8/ 7																																		
6/ 5																																		
4/ 3																																		
2/ 1																																		
0/ -1																																		
-2/ -3																																		
-4/ -5																																		
-6/ -7																																		
-8/ -9																																		
-10/ -11																																		
-12/ -13																																		
-14/ -15																																		
-16/ -17																																		
-18/ -19																																		
-20/ -21																																		
Element (X)	Σ X'			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature																		
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 0600-0800  
HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR

**MONTH**

**HOURS (L. S. T.)**

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

3, 4, 5  
MONTH

PAGE 1      1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 53						.8	.8	1.5		.8	.8							6	6					
52/ 51						.8	1.5	3.1	4.6	1.5								15	15					
50/ 49					2.3	1.5	3.8	2.3	6.1	1.5								23	23					
48/ 47				.8	1.5	1.5	1.5	.8	3.8	4.6								19	19					
46/ 45			3.1	.8		.8	2.3	.8	5.3	2.3								20	20					
44/ 43		4.6	.8		1.5	3.8	3.8	1.5	3.8									26	26	4				
42/ 41		3.8	1.5	.8			.8	.8	.8									11	11	16	6			
40/ 39		2.3		.8	1.5			.8										6	7	18	5			
38/ 37			.8		.8													2	2	10	7			
36/ 35	1.5		.8															3	3	23	4			
34/ 33																				22	6			
32/ 31																				14	3			
30/ 29																				16	6			
28/ 27																				7	3			
26/ 25																					9			
24/ 23																				1	6			
22/ 21																					4			
20/ 19																					8			
18/ 17																					6			
16/ 15																					3			
14/ 13																					2			
12/ 11																					6			
10/ 9																					10			
8/ 7																					4			
6/ 5																					4			
4/ 3																					5			
2/ 1																					1			
0/ -1																					2			
-2/ -3																					2			
-4/ -5																					3			
-6/ -7																					6			
-8/ -9																					1			
-10/ -11																					2			
-12/ -13																					3			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ															

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 1800-2000

HOURS (L - S - T -)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
52/ 51									.7									1	1						
50/ 49							.7	.7	2.2	.7								6	6						
46/ 47					.7	.7	.7	5.2	4.4	1.5								18	18						
46/ 45					.7	1.5		2.2	3.0	1.5								12	12						
44/ 43			.7		1.5	1.5	.7	3.7	6.7	3.0								24	24						
42/ 41		5.2		.7	.7	1.5	2.2	3.7	7.4									29	29	2	1				
40/ 39	.7	3.0				3.7	1.5	3.0	3.0									20	20	12	5				
38/ 37	.7	3.0	.7			2.2	.7	3.0										14	14	9	6				
36/ 35		3.0	.7			1.5												7	7	11	2				
34/ 33	.7	.7																2	2	22	8				
32/ 31		.7			.7													2	2	11	1				
30/ 29																				25	5				
28/ 27																				21	6				
26/ 25																				18					
24/ 23																				4	1				
22/ 21																					6				
20/ 19																					2				
18/ 17																					3				
16/ 15																					5				
14/ 13																					4				
12/ 11																					9				
10/ 9																					5				
8/ 7																					2				
6/ 5																					11				
4/ 3																					6				
2/ 1																					6				
0/ -1																					2				
-2/ -3																					2				
-4/ -5																					2				
-6/ -7																					3				
-8/ -9																					5				
-10/ -11																					1				
-12/ -13																					5				
-14/ -15																					3				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.																

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

MAR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
50/ 49										1.5							2	2		
48/ 47						.8		3.0	6.0								13	13		
46/ 45					.8	1.5		2.3	3.0	2.3							13	13		
44/ 43					.8	.8			4.5	.8							9	9		
42/ 41		4.5			1.5	.8	2.3	5.8	6.8								30	30	1	
40/ 39		1.5	.8	.8	2.3	3.0	3.8	6.2	6.8								33	33	7	7
38/ 37	.8	1.5	2.3		1.5	3.0	2.3	3.8									19	20	4	2
36/ 35	.8	2.3	1.5				.8	1.5									9	9	12	2
34/ 33					.8												1	2	11	5
32/ 31		2.3															3	3	21	1
30/ 29		.8															1	1	15	5
28/ 27																			32	3
26/ 25																			27	3
24/ 23																			2	3
22/ 21																			1	3
20/ 19																				4
18/ 17																				2
16/ 15																				6
14/ 13																				5
12/ 11																				4
10/ 9																				4
8/ 7																				3
6/ 5																				5
4/ 3																				10
2/ 1																				4
0/ -1																				8
-2/ -3																				3
-4/ -5																				2
-6/ -7																				1
-8/ -9																				6
-10/-11																				1
-14/-15																				6
-16/-17																				2
-18/-19																				6
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

MAR  
MONTH

STATION

STATION NAME

YEARS

PAGE 1

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 55							.1	.2	.6	.3	.2							1	1					
54/ 53							.1	.2	.6	.3	.2							16	16					
52/ 51							.2	.9	1.1	1.0	.5	.3						43	43					
50/ 49					.5	.4	1.4	1.0	2.3	2.0	.2							82	82					
48/ 47				.1	.6	.6	.6	1.9	3.7	2.9								111	111					
46/ 45		.6	.6	.1	.6	.6	2.0	2.7	3.8	1.6								135	135					
44/ 43		1.5	.6	.3	.8	1.3	1.7	2.5	5.7	.7								159	159	15	1			
42/ 41		7.6	.6	.7	1.3	1.6	2.2	4.7	4.2									200	201	46	23			
40/ 39	.9	2.6	.3	.4	.6	1.9	2.6	3.7	2.4									158	159	84	33			
38/ 37	.6	1.4	.5	.4	.9	1.3	1.0	1.4										81	82	71	41			
36/ 35	.8	1.3	.6	.3	.1	.6	.4	.3										46	47	100	32			
34/ 33	.1	.4	.1	.1	.1	.2	.3	.1										14	15	139	33			
32/ 31		.5		.1		.1	.1											8	8	139	16			
30/ 29		.1			.1	.1												3	3	161	27			
28/ 27																				183	29			
26/ 25																				95	31			
24/ 23	.1																	1	1	15	26			
22/ 21		.1																1	1	8	31			
20/ 19																					3			
18/ 17																					32			
16/ 15																					35			
14/ 13																					36			
12/ 11																					38			
10/ 9																					51			
8/ 7																					44			
6/ 5																					36			
4/ 3																					42			
2/ 1																					51			
0/ -1																					45			
-2/ -3																					40			
-4/ -5																					42			
-6/ -7																					31			
-8/ -9																					26			
-10/ -11																					28			
																					19			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Hum.																					Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

YEARS

MAR

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-12/-13																					15
-14/-15																					17
-16/-17																					12
-18/-19																					13
-20/-21																					6
-22/-23																					6
-24/-25																					4
-26/-27																					9
-28/-29																					11
-30/-31																					6
-32/-33																					3
-34/-35																					5
-36/-37																					11
-38/-39																					5
-40/-41																					2
-42/-43																					6
-44/-45																					2
-46/-47																					4
-48/-49																					2
-50/-51																					1
TOTAL	2.3	12.1	3.1	2.4	5.4	9.2	13.6	20.1	23.3	7.9	.8							1059	1064	1059	1059

USAFETAC FORM 0-26-5 (OLA) JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

APR  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
52/ 51											1.1							1	1		
50/ 49											2.3							2	2		
48/ 47						2.3			3.4	5.7								10	10		
46/ 45						1.1			4.5	5.7								10	10		
44/ 43			3.4	1.1	1.1	3.4		1.1	4.5	1.1								14	14		
42/ 41		1.1	2.3		1.1			3.4	2.3									9	9	2	
40/ 39	4.5	6.8	2.3					1.1	1.1									14	14	11	7
38/ 37			2.3	2.3	2.3			3.4										9	9	7	9
36/ 35		2.3	1.1	4.5				1.1										8	8	5	2
34/ 33				1.1			2.3											3	3	8	4
32/ 31		1.1	2.3															3	3	12	3
30/ 29			1.1			1.1												2	2	19	3
28/ 27	1.1																	1	1	10	1
26/ 25																				6	5
24/ 23				1.1														1	1	4	5
22/ 21				1.1														1	1	1	4
20/ 19																				1	4
18/ 17																				1	3
16/ 15																				1	
6/ 5																					1
4/ 3																					2
2/ 1																					3
0/ -1																					5
-2/ -3																					4
-4/ -5																					3
-6/ -7																					3
-8/ -9																					2
-10/ -11																					2
-12/ -13																					2
-14/ -15																					1
-16/ -17																					3
-18/ -19																					4
-20/ -21																					2
-22/ -23																					2
-24/ -25																					2
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79  
STATION STATION NAME YEARS

APR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
56/ 55												2.3						2	2				
52/ 51											4.5							4	4				
50/ 49										1.1	4.5							5	5				
48/ 47						1.1		4.5	2.3	5.7								12	12				
46/ 45						1.1	1.1		1.1	1.1								4	4				
44/ 43		2.3	2.3	1.1	1.1	1.1	1.1		2.3									10	10				
42/ 41		5.7	1.1	2.3	1.1	2.3	4.5	3.4	3.4									21	21	6	4		
40/ 39	2.3	3.4		1.1		3.4	1.1		2.3									12	12	8	3		
38/ 37		2.3	1.1	1.1	2.3	2.3		1.1										9	9	5	5		
36/ 35		2.3	1.1	2.3														5	5	7	5		
34/ 33					1.1													1	1	13	2		
32/ 31				1.1														1	1	15	1		
30/ 29																				20	2		
28/ 27				1.1														1	1	4	2		
26/ 25				1.1														1	1	6	3		
24/ 23																				2	4		
22/ 21																				1	2		
20/ 19																				1	2		
18/ 17																					1		
16/ 15																					5		
14/ 13																					5		
12/ 11																					4		
10/ 9																					3		
8/ 7																					3		
6/ 5																					3		
4/ 3																					3		
2/ 1																					2		
-2/ -3																					1		
-4/ -5																					1		
-6/ -7																					1		
-8/ -9																					2		
-14/ -15																					1		
-18/ -19																					2		
-20/ -21																					3		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total		
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 2

0600-0800  
HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

PAGE 1      0900-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57												2.3						2	2					
54/ 53									2.3		1.2	3.5						6	6					
52/ 51								1.2	1.2		5.8							7	7					
51/ 49						2.3	2.3	7.0	3.5	1.2	1.2							15	15					
48/ 47				1.2	1.2	2.3	2.3	1.2		1.2								8	8					
46/ 45	1.2	1.2				1.2	2.3			1.2								6	6	1	1			
44/ 43		2.3	2.3		2.3		2.3	1.2	3.5									12	12	1	1			
42/ 41		4.7	1.2			2.3			1.2									5	8	6	1			
40/ 39		4.7	7.0				1.2											11	11	8	4			
36/ 37		1.2			1.2	2.3												4	4	20	5			
36/ 35			1.2			2.3												3	3	14	4			
34/ 33					1.2		1.2											2	2	8	4			
32/ 31					1.2													1	1	12	4			
31/ 29					1.2													1	1	4	3			
28/ 27																				6	2			
26/ 25																				3	3			
24/ 23																				1	2			
22/ 21																				2				
20/ 19																					7			
18/ 17																					5			
16/ 15																					7			
14/ 13																					2			
12/ 11																					5			
11/ 9																					1			
8/ 7																					1			
6/ 5																					3			
2/ 1																					1			
1/ -1																					1			
-4/ -5																					1			
-6/ -7																					3			
-8/ -9																					2			
-14/ -15																					3			
-15/ -17																					1			
-18/ -19																					1			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\$																	



## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1      1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
55/ 57									2.4		1.2		1.2					4	4																
56/ 55									2.4		1.2	1.2						4	4																
54/ 53							1.2		3.6		1.2	2.4						7	7																
52/ 51							1.2	3.6	1.2	1.2								6	6																
51/ 49					1.2		3.6	1.2		1.2								6	6																
50/ 47							4.8		1.2									5	5																
46/ 45			1.2		2.4	3.6	3.6	2.4	2.4									13	13																
44/ 43		6.0		1.2	1.2	1.2		1.2	3.6									12	12																
42/ 41		8.3			1.2	2.4		3.6										13	13	12	5														
41/ 39		2.4		1.2	1.2	1.2		3.6										8	8	12	7														
38/ 37	1.2	1.2			1.2	1.2												4	4	18	2														
37/ 35					1.2													1	1	10	7														
34/ 33																				10	3														
32/ 31				1.2														1	1	5	2														
30/ 29																				5	2														
29/ 27																				9	2														
28/ 25																					3														
24/ 23																					7														
22/ 21																					6														
20/ 19																					8														
18/ 17																					4														
16/ 15																					5														
12/ 11																					2														
10/ 9																					1														
6/ 7																					3														
4/ 3																					3														
2/ 1																					4														
./ -1																					1														
-2/ -3																					2														
-4/ -5																					5														
-6/ -9																					1														
-12/ -13																					1														
-20/ -24																					1														
-22/ -23																					2														
Σ mean (X)	Σ X <sup>2</sup>	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.																																			

## PSYCHROMETRIC SUMMARY

00001	MAUI OPTICAL SITE HI NORTH TOWER	79
STATION	STATION NAME	

APR

**MONTH**

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE 1      1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
50/ 59													1.2					1	1					
56/ 55									1.2									2	2					
54/ 53										1.2	1.2	1.2	1.2					4	4					
52/ 51							1.2		1.2	1.2	3.7	1.2						7	7					
51/ 49								2.5	1.2									3	3					
48/ 47					1.2	4.9	1.2			2.5	1.2							9	9					
46/ 45		1.2			2.5	3.7	3.7			2.5								11	11					
44/ 43		6.2	1.2		2.5	2.5	2.5	1.2	2.5									15	15	4				
42/ 41		4.9	1.2		1.2	1.2		3.7	1.2									11	11	4				
40/ 39		7.4		2.5		1.2		3.7										12	12	14				
38/ 37	1.2	1.2			2.5													4	4	15				
36/ 35			1.2															1	1	7				
34/ 33																				15				
32/ 31		1.2																1	1	7				
31/ 29																				7				
30/ 27																				4				
28/ 25																				4				
24/ 23																								
22/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
8/ 5																								
4/ 3																								
2/ 1																								
1/ -1																								
-2/ -3																								
-4/ -5																								
-6/ -7																								
-8/ -9																								
-10/ -11																								
-12/ -13																								
-16/ -17																								
-20/ -21																								
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

APR

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
50/ 55												1.2						1	1		
54/ 53											1.2	1.2						2	2		
50/ 49								1.2	1.2		1.2							3	3		
44/ 47							1.2	1.2	1.2	1.2								4	4		
46/ 45			1.2			1.2	1.2		2.5	4.9								9	9		
44/ 43		1.2	1.2	1.2	1.2	3.7	4.9	2.5	6.2	1.2								19	19		
42/ 41		4.9			1.2	1.2		4.9	3.7									13	13	4	1
41/ 39	1.2	7.4	2.5	1.2	2.5	1.2			1.2									14	14	5	4
33/ 37	1.2	7.4	2.5	1.2			2.5											12	12	12	4
26/ 35	1.2				2.5		1.2											4	4	10	8
34/ 33																				14	6
32/ 31																				10	1
30/ 29																				7	3
26/ 27																				15	1
26/ 25																				3	1
24/ 23																				1	4
22/ 21																					2
21/ 19																					3
15/ 17																					3
16/ 15																					3
14/ 13																					2
12/ 11																					4
11/ 9																					1
9/ 7																					2
6/ 5																					1
4/ 3																					2
2/ 1																					1
1/ -1																					2
-2/ -3																					2
-4/ -5																					3
-6/ -7																					2
-7/ -9																					2
-10/-11																					3
-12/-13																					3
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64  
USAFETAC

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE 2      1800-2000  
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

YEARS

APR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
52/ 51											1.2								1	1															
50/ 49											1.2								1	1															
48/ 47									1.2	3.6									4	4															
46/ 45						2.4	1.2	1.2	4.8	4.8									12	12															
44/ 43		1.2	1.2		1.2	1.2	3.6	1.2	4.8										12	12															
42/ 41	1.2	4.8		1.2	1.2	2.4	1.2	3.6	7.1										19	19	3	3													
40/ 39		7.1	1.2	1.2	1.2				1.2										10	10	7	2													
38/ 37	3.6	4.8	2.4		1.2			3.6											13	13	7	6													
36/ 35	1.2				1.2														2	2	10	7													
34/ 33		2.4		1.2			1.2												4	4	8	3													
32/ 31			2.4	1.2	1.2														4	4	11	3													
30/ 29		1.2																	1	1	15	3													
28/ 27			1.2																1	1	9														
26/ 25																					9	3													
24/ 23																					4	1													
22/ 21																					1	5													
20/ 19																						2													
18/ 17																						6													
16/ 15																						2													
14/ 13																						1													
12/ 11																						2													
10/ 9																						2													
8/ 7																						2													
6/ 5																						2													
4/ 3																						2													
2/ 1																						2													
0/ -1																						2													
-2/ -3																						4													
-4/ -5																						2													
-6/ -7																						2													
-8/ -9																						2													
-10/ -11																						5													
-12/ -13																						2													
-14/ -15																						2													
-16/ -17																						4													
-18/ -19																						1													
-20/ -21																						1													
-22/ -23																						1													
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

79

**YEARS**

APR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-76/-27																					3			
-75/-29																					2			
TOTAL	6.0	21.4	8.3	4.8	7.1	6.0	7.1	9.5	19.0	8.3	2.4								84	84	84			
																			84		84			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

APR

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
53/ 59													.1					1	1					
58/ 57									.3		.1	.3	.1					6	6					
56/ 55								.1	.3		.1	.7						9	9					
54/ 53							.1		.9	.1	.6	1.0						19	19					
52/ 51						.1	.1	.7	.4	.6	1.8							26	26					
50/ 49					.1	.3	1.0	1.3	.6	.4	1.3							35	35					
48/ 47				.1	.3	1.3	1.3	.9	1.9	3.7								65	65					
46/ 45	.1	.3	.3		.6	2.1	1.6	.6	2.3	3.2								76	76	1	1			
44/ 43		2.6	1.5	.6	1.8	1.6	2.1	1.5	3.7	.3								106	106	7	3			
42/ 41	.3	5.3	.7	.4	1.0	1.6	1.0	2.6	2.5									107	107	40	22			
40/ 39	2.2	5.6	1.6	.9	.9	1.3	.4	1.2	1.0									103	103	84	36			
38/ 37	.9	2.5	1.2	.6	1.6	.7	.6	1.5										65	65	87	46			
36/ 35	.4	.7	.9	.9	.6	.3	.1	.1										28	28	69	32			
34/ 33		.3		.4	.3		.7											12	12	80	26			
32/ 31		.4	.6	.4	.3													12	12	85	16			
30/ 29		.1	.1		.1	.1												4	4	99	22			
28/ 27	.1	.1	.1	.1														4	4	66	13			
26/ 25				.1														1	1	37	32			
24/ 23				.1	.1													2	2	16	30			
22/ 21				.1														1	1	6	21			
20/ 19																				2	31			
18/ 17																				2	32			
16/ 15																				1	28			
14/ 13																					16			
12/ 11																					17			
10/ 9																					7			
8/ 7																					13			
6/ 5																					14			
4/ 3																					17			
2/ 1																					17			
0/ -1																					15			
-2/ -3																					15			
-4/ -5																					15			
-6/ -7																					16			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

MAY

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0000-0200

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-14/-15																					1			
-16/-17																					3			
-22/-23																					1			
-24/-25																					3			
-26/-27																					1			
-28/-29																					1			
-30/-31																					1			
TOTAL		1.1		1.1	2.2	4.3	16.1	10.8	22.6	29.0	12.9								93		93			
																		93		93				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

MAY

MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
54/ 53											1.1								1	1																		
52/ 51								3.2	1.1	6.5	5.4								15	15																		
50/ 49							3.2	2.2	3.2	2.2	2.2								12	12																		
48/ 47							2.2	4.3	5.4	8.6									19	19																		
46/ 45							3.2	5.4	8.6	4.3									20	20																		
44/ 43						4.3	3.2	6.5	4.3	1.1									18	18																		
42/ 41					2.2		2.2												4	4																		
40/ 39			1.1					1.1											2	2	2																	
38/ 37				1.1		1.1													2	2	4																	
36/ 35																					14																	
34/ 33																					21																	
32/ 31																					26																	
30/ 29																					20	1																
28/ 27																					5	1																
26/ 25																					1																	
24/ 23																						3																
22/ 21																						6																
20/ 19																						4																
18/ 17																						3																
16/ 15																						5																
14/ 13																						8																
12/ 11																						5																
10/ 9																						5																
8/ 7																						5																
6/ 5																						4																
4/ 3																						7																
2/ 1																						2																
0/ -1																						5																
-4/ -5																						5																
-6/ -7																						1																
-8/ -9																						2																
-10/ -11																						3																
-12/ -13																						2																
-14/ -15																						4																
Element (X)	Σ X <sup>2</sup>					Σ X					X					Σ X					No. Obs.					Mean No. of Hours with Temperature												
Rel. Hum.																										≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

**MAY**  
**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
55/ 55											2.2	1.1						3	3							
54/ 53									2.2	3.2	8.6	1.1						14	14							
52/ 51								1.1	3.2	4.3	5.4							13	13							
50/ 49								3.2	3.2	5.4	4.3							15	15							
48/ 47							4.3	1.1	9.7	5.4								19	19							
46/ 45						1.1	1.1	3.2	7.9	3.2								15	15							
44/ 43							2.2	4.3	2.2									8	8							
42/ 41								1.1										1	1							
40/ 39				3.2			1.1	1.1										5	5	1						
38/ 37																				7						
36/ 35																				15						
34/ 33																				27						
32/ 31																				22	1					
30/ 29																				16						
28/ 27																				4	1					
26/ 25																				1	2					
24/ 23																					1					
22/ 21																					3					
20/ 19																					1					
18/ 17																					4					
16/ 15																					6					
14/ 13																					3					
12/ 11																					2					
10/ 9																					5					
8/ 7																					2					
6/ 5																					10					
4/ 3																					4					
2/ 1																					6					
0/ -1																					8					
-2/ -3																					5					
-4/ -5																					2					
-6/ -7																					4					
-8/ -9																					5					
-10/ -11																					3					
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										



## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
60/ 59										1.1	1.1	1.1						3	3																	
58/ 57										5.4	4.3	3.3						12	12																	
56/ 55									1.1	6.5	3.3	5.4						15	15																	
54/ 53								1.1		5.4	6.5	3.3	2.2					17	17																	
52/ 51								4.3	2.2	5.4	10.9	2.2						23	23																	
50/ 49								3.3		2.2	4.3							9	9																	
48/ 47							2.2	2.2	1.1	1.1								6	6																	
46/ 45					1.1			1.1	1.1	1.1								4	4																	
44/ 43								1.1										1	1																	
42/ 41									1.1									1	1																	
40/ 39																																				
38/ 37								1.1										1	1	20																
36/ 35																				16																
34/ 33																				21																
32/ 31																				21																
30/ 29																				7																
28/ 27																				3	1															
26/ 25																					5															
24/ 23																					4															
22/ 21																					1															
20/ 19																					3															
18/ 17																					4															
16/ 15																					8															
14/ 13																					9															
12/ 11																					5															
10/ 9																					2															
8/ 7																					7															
6/ 5																					6															
4/ 3																					3															
2/ 1																					7															
0/ -1																					7															
-2/ -3																					3															
-4/ -5																					3															
-6/ -7																					2															
-8/ -9																					1															
-10/ -11																																				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAY

**MONTH**

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-12/-13																					1			
-14/-15																					1			
-16/-17																					2			
-16/-19																					1			
-22/-23																					1			
-46/-47																					2			
-48/-49																					1			
TOTAL					1.1	2.2	14.1	5.4	16.3	34.8	14.1	12.0							92	92	92			
																		92		92				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64/ 63									1.1		1.1		1.1	1.1					1	1				
62/ 61												1.1	1.1						3	3				
60/ 59								1.1	3.2	2.2	2.2	1.1							9	9				
58/ 57								1.1	6.5	4.3	3.2	3.2							17	17				
56/ 55							1.1	1.1	3.2	1.1	3.2	3.2							12	12				
54/ 53							4.3	4.3	1.1	3.2	2.2	1.1							15	15				
52/ 51							3.2	1.1	2.2	3.2	1.1								10	10				
50/ 49						3.2	2.2	1.1	1.1	2.2									9	9				
48/ 47					2.2		1.1			1.1									4	4				
46/ 45						2.2	1.1												3	3		5		
44/ 43				1.1	3.2	1.1			2.2										7	7		4		
42/ 41						1.1		1.1											2	2		16		
40/ 39																						22		
38/ 37																						11		
36/ 35			1.1																1	1		19		
34/ 33																						10		
32/ 31																						3		
30/ 29																						10		
28/ 27																						3		
26/ 25																						8		
24/ 23																						7		
22/ 21																						8		
20/ 19																						3		
18/ 17																						5		
16/ 15																						2		
14/ 13																						4		
12/ 11																						3		
10/ 9																						2		
8/ 7																						4		
6/ 5																						4		
2/ 1																						5		
0/ -1																						1		
-2/ -3																						1		
-4/ -5																						4		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_ MAY \_\_\_\_\_  
YEARS MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

79

MAY

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
62/ 51									1.1	1.1	1.1							2	2					
60/ 59										1.1	1.1	1.1						4	4					
58/ 57									2.2	2.2	1.1	2.2	4.3					11	11					
56/ 55									3.3	1.1	7.6	10.9	2.2					23	25					
54/ 53								2.2		2.2	3.3	8.7						15	15					
52/ 51						2.2	2.2	1.1			2.2							7	7					
50/ 49						3.3	4.3			2.2	2.2	1.1						12	12					
48/ 47								1.1			2.2							3	3					
46/ 45								1.1	2.2	1.1								4	4	2				
44/ 43								1.1		2.2								3	3	2				
42/ 41					1.1	2.2												3	3	12				
40/ 39				2.2	1.1													3	3	12				
38/ 37				1.1														1	1	17				
36/ 35								1.1										1	1	12				
34/ 33																				16				
32/ 31																				8				
30/ 29																				4				
28/ 27																								
26/ 25																								
24/ 23																				1				
22/ 21																								
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
0/ -1																								
-2/ -3																								
-4/ -5																								
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																								

## PSYCHROMETRIC SUMMARY

**YEARS**

MAY  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79  
YEARS

YEARS

MAY  
MONTH

PAGE 1

1300-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57											1.1	1.1						2	2					
56/ 55								1.1	2.2		4.3							7	7					
54/ 53							1.1		4.3	4.3	6.5							15	15					
52/ 51						1.1	1.1	1.1		10.8	5.4							18	18					
50/ 49							1.1		3.2	3.2	3.2							10	10					
48/ 47							2.2	3.2	5.4	6.5								15	15					
46/ 45							1.1		3.2	3.2								7	7					
44/ 43					1.1			2.2	3.2									6	6	2				
42/ 41						1.1		1.1	1.1									3	3	2				
40/ 39				1.1		2.2												3	3	4				
38/ 37				1.1	2.2													3	3	6				
36/ 35			2.2															2	2	17				
34/ 33		1.1																1	1	22				
32/ 31																				20	3			
30/ 29																				17	2			
28/ 27																				3	3			
26/ 25																					1			
24/ 23																					2			
22/ 21																					3			
20/ 19																					4			
18/ 17																					4			
16/ 15																					3			
14/ 13																					4			
12/ 11																					2			
10/ 9																					2			
8/ 7																					6			
6/ 5																					6			
4/ 3																					4			
2/ 1																					6			
0/ -1																					6			
-2/ -3																					8			
-4/ -5																					3			
-6/ -7																					1			
-8/ -9																					2			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 84  
USAFETAC



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MAY  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAY

**MONTH**

HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
72/ 71										1.1	3.2					1.1		1	1									
56/ 55																		4	4									
54/ 53							2.2	1.1		1.1	5.4							9	9									
52/ 51								3.2		6.5	3.2							12	12									
50/ 49							1.1	2.2		6.5	3.2							12	12									
48/ 47								1.1	6.5	12.9								19	19									
46/ 45					1.1	1.1	1.1	1.1	11.8	4.3								19	19									
44/ 43						1.1		3.2	3.2									7	7	1								
42/ 41						1.1												1	1	2								
40/ 39				1.1		3.2												4	4	1								
38/ 37								1.1										1	1	7								
36/ 35			1.1		1.1	2.2												4	4	10								
34/ 33																				16								
32/ 31																				17								
30/ 29																				35								
28/ 27																				1								
26/ 25																				3								
24/ 23																				1								
22/ 21																				1								
20/ 19																				5								
18/ 17																				2								
16/ 15																				3								
14/ 13																				3								
12/ 11																				2								
10/ 9																				3								
8/ 7																				5								
6/ 5																				4								
4/ 3																				4								
2/ 1																				8								
0/ -1																				6								
-2/ -3																				6								
-4/ -5																				10								
-6/ -7																				4								
-8/ -9																				2								
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature												
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																												
Wet Bulb																												
Dew Point																												

## PSYCHROMETRIC SUMMARY

**YEARS**

**MONTH**

2100-2300

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAY

**MONTH**

At 1

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

ALL

ALL  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-2/-3																					29			
-4/-5																					37			
-6/-7																					17			
-8/-9																					13			
-13/-11																					14			
-17/-13																					14			
-14/-15																					17			
-16/-17																					12			
-18/-19																					10			
-20/-21																					3			
-22/-23																					4			
-24/-25																					9			
-26/-27																					5			
-28/-29																					4			
-30/-31																					7			
-32/-33																					1			
-42/-43																					1			
-44/-45																					6			
-46/-47																					5			
-48/-49																					3			
-50/-51																					2			
-52/-53																					2			
TOTAL		.3	.7	1.6	2.3	5.1	10.9	12.3	20.8	25.6	16.2	4.0	.1				.1			742	742	742		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	445291	14979	27.2	13.887	742	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	1848819	36831	49.6	5.275	742			1.0				744												
Wet Bulb	876824	25338	34.2	3.952	742		273.7					744												
Dew Point	222680	3930	5.3	16.505	742	255.7																		

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
JUN  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0000-0200

HOURS (L, S, T,)

[illegible]

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 1      0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point			
54/ 53											1.1	1.1						2	2					
52/ 51											10.1							9	9					
50/ 49											4.5	3.4						7	7					
48/ 47							1.1	4.5	1.1	32.6								35	35					
46/ 45					1.1	3.4	1.1	2.2	1.1	7.9								15	15					
44/ 43				4.5			1.1	3.4	3.4	1.1								12	12					
42/ 41				1.1				2.2	1.1									4	4					
40/ 39			3.4			1.1												4	4	1				
38/ 37																				7				
36/ 35		1.1																1	1	7				
34/ 33																				6				
32/ 31																				25				
30/ 29																				35				
28/ 27																				7				
26/ 25																				1				
24/ 23																				1				
22/ 21																				2				
18/ 17																				1				
16/ 15																				3				
14/ 13																				1				
12/ 9																				3				
8/ 7																				2				
4/ 3																				3				
2/ 1																				1				
-2/ -3																				2				
-4/ -5																				1				
-6/ -7																				2				
-8/ -9																				3				
-10/ -11																				2				
-12/ -13																				5				
-14/ -15																				5				
-16/ -17																				6				
-18/ -19																				10				
-20/ -21																				1				
-22/ -23																				3				
Element (X)	Σ X <sup>1</sup>			Σ X		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total



## PSYCHROMETRIC SUMMARY

79

JUN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0300-0500

0500-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
58/ 57												1.1	1.1									2	2		
56/ 55												6.7										6	6		
54/ 53												4.4										8	8		
52/ 51												1.1	1.1	1.1	1.1							15	15		
50/ 49												2.2	1.1	4.4	4.4	5.7						17	17		
48/ 47												1.1	1.1	1.1	16.7							18	18		
46/ 45												2.2	2.2	2.2	7.8							13	13		
44/ 43															1.1	1.1						5	5		
42/ 41															1.1	1.1						2	2		
40/ 39																								2	
38/ 37																						3	3	8	
36/ 35																						1	1	7	
34/ 33																								23	
32/ 31																								23	2
30/ 29																								21	3
28/ 27																								6	1
26/ 25																									4
24/ 23																									1
22/ 21																									2
20/ 19																									2
18/ 17																									3
16/ 15																									1
14/ 13																									3
12/ 11																									2
10/ 9																									1
8/ 7																									2
6/ 5																									2
-2/ -3																									3
-4/ -5																									2
-6/ -7																									5
-8/ -9																									2
-10/ -11																									2
-12/ -13																									1
-14/ -15																									4
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

79

JIN

PAGE 2

0600-0800

[illegible]

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
JUN  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JUN

**MONTH**

1200-1400

**HOURS (1 - 5 - 10)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.E./W.B.	Dry Bulb	Wet Bulb	Dew Point											
64 / 63											1.1							1	1													
62 / 61											1.1			1.1				2	2													
59 / 59										1.1	1.1			5.6				9	9													
58 / 57								1.1	2.2	1.1	1.1	4.4	4.4					12	12													
56 / 55								4.4	1.1	2.2	3.3	13.3						22	22													
54 / 53							2.2	2.2	1.1	2.2	5.6	2.2						14	14													
52 / 51							1.1	1.1	2.2	1.1	5.6							10	10													
50 / 49						1.1	3.3			1.1	2.2							7	7													
48 / 47						1.1				1.1								2	2													
46 / 45				1.1	1.1	2.2	1.1			1.1								6	6	1												
44 / 43						2.2												2	2	9												
42 / 41					1.1													1	1	9												
40 / 39					2.2													2	2	8												
38 / 37																				12												
36 / 35																				21												
34 / 33																				23	1											
32 / 31																				9												
30 / 29																				1	4											
28 / 27																				1	8											
26 / 25																					3											
24 / 23																					6											
22 / 21																					6											
20 / 19																					4											
18 / 17																					3											
16 / 15																					2											
14 / 13																					1											
12 / 11																					3											
10 / 9																					2											
8 / 7																					2											
6 / 5																					1											
4 / 3																					2											
-4 / -5																					1											
-8 / -9																					3											
-10 / -11																					3											
Element (X)	ΣX <sup>2</sup>			ΣX			X̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																																
Wet Bulb																																
Dew Point																																

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MCMTN

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JUN

**MONTH**

1500-1700

1500-170  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

79

JUN

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

YEARS

JUN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57												1.1	1.1					2	2		
56/ 55								2.3				4.6						6	6		
54/ 53							1.1			1.1	5.7	4.6						11	11		
52/ 51										5.7	20.7							23	23		
50/ 49						1.1	1.1			6.9	9.2							16	16		
48/ 47						3.4		3.4		6.9								12	12		
46/ 45					1.1	3.4		2.3	1.1	1.1								8	8		
44/ 43							1.1		1.1									2	2		
42/ 41					1.1													1	1	3	
40/ 39							1.1		1.1									2	2	2	
38/ 37							1.1											1	1	7	
36/ 35			2.3															2	2	5	
34/ 33																				25	
32/ 31		1.1																1	1	29	
30/ 29																				12	3
28/ 27																				3	5
26/ 25																				1	6
24/ 23																					2
22/ 21																					2
20/ 19																					1
18/ 17																					2
16/ 15																					2
14/ 13																					1
12/ 11																					2
10/ 9																					2
8/ 7																					1
6/ 5																					3
4/ 3																					3
2/ 1																					2
0/ -1																					2
-2/ -3																					3
-4/ -5																					2
-6/ -7																					1
-8/ -9																					3
-10/ -11																					2
-12/ -13																					2
-14/ -15																					2
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN

**MONTH**

1500-2000	HOURS (L. S. T.)
-----------	------------------

HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

79

**YEARS**

JUN  
MONTH

PAGE 1      2100-2300  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

JUN  
MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-26/-27																					1			
-28/-29																					3			
-32/-33																					2			
-34/-35																					1			
-36/-37																					2			
TOTAL		1.1	2.3	1.1	5.7	4.6	5.7	8.0	3.4	14.9	44.8	8.0								87	87			
																			87		87			
Element (X)	$\Sigma X^1$		$\Sigma X$		$\bar{X}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	52310		1358		15.6		19.020		87		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					90			
Dry Bulb	204487		4201		48.3		4.359		87												90			
Wet Bulb	89333		2781		32.0		2.254		87			57.9									90			
Dew Point	38101		-677		-7.8		19.539		87		64.1	90.0									90			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79

STATION

STATION NAME

YEARS

JUN

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pt.			
64/ 63											.1							1	1					
62/ 61											.1	.1	.6					6	6					
60/ 59									.3	.1	.3	.3	1.1					15	15					
58/ 57								.3	.5	.1	.6	1.8	2.2					40	40					
56/ 55							.1	1.3	.7	.6	1.0	7.7						81	81					
54/ 53							.7	.7	.3	1.4	4.1	4.1						90	80					
52/ 51							.4	1.1	.6	2.0	11.7							114	114					
50/ 49						.8	1.8	.6	.9	3.2	7.2							103	103					
48/ 47					.3	1.4	.4	2.5	.3	11.1								114	114					
46/ 45				.3	.8	1.7	1.3	1.1	1.0	3.5								69	69		2			
44/ 43				1.0	.7	1.3	.4	.7	1.4	.3								41	41		6			
42/ 41				.6	.7	.1	.1	.4	.6									18	18		23			
40/ 39			.7	.3	.7	.1	.1	.1	.1									15	16		33			
38/ 37			.6	.1		.1	.1											7	7		68			
36/ 35		.1	.6															5	5		95			
34/ 33		.1																1	1		172			
32/ 31		.1																1	1		154			
30/ 29																					117			
28/ 27																					28			
26/ 25																					4			
24/ 23																								
22/ 21																								
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
0/ -1																								
-2/ -3																								
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

79

JUN

**MONTH**

PAGE 2

**A B C**

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
62/ 61																		1	1																
61/ 59											2.5		.8					4	4																
56/ 55				.8						2.5								4	4																
54/ 53				2.5	.8	.8	3.4	1.7	2.5	1.7	.8	.8						15	15																
52/ 51			.8	1.7	.8			1.7	.8	.8	6.8							16	16																
50/ 49			1.7	.8	.8				1.7	6.8	9.3							25	25		2														
48/ 47				.8		.8	1.7			1.7	6.8							14	14	4															
46/ 45					.8	1.7	.8	2.5	1.7	4.2								14	14	4	1														
44/ 43				.8	2.5	3.4		.8	3.4									13	13	4	4														
42/ 41			.8			.8			3.4									6	6	6	4														
40/ 39								.8	1.7									3	3	6	1														
38/ 37																				18	2														
36/ 35																				5	2														
34/ 33																				14	2														
32/ 31																				32															
30/ 29																				11	3														
28/ 27																				7	5														
26/ 25																				5	4														
24/ 23																					4														
22/ 21																					2														
20/ 19																					4														
18/ 17																					3														
16/ 15																					2														
14/ 13																					5														
12/ 11																					4														
10/ 9																					3														
8/ 7																					3														
6/ 5																					1														
4/ 3																					3														
2/ 1																					3														
-2/ -3																					2														
-4/ -5																					2														
-6/ -7																					2														
-8/ -9																					4														
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ <sub>x</sub>																									



## PSYCHROMETRIC SUMMARY

JUL

**MONTH**

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
54/ 63														.8				2	2				
62/ 61												.8	.8	.8				3	3				
63/ 59												.8						1	1				
58/ 57									.8		1.7							3	3				
54/ 53				5.0	1.7		.8	1.7	3.3	.8	1.7							18	18				
52/ 51			.8	2.5	.8	.8	.8	.8	.8	.8	9.2							21	21				
50/ 49			.8		.8	.8			.8	8.3	5.8							21	21	2			
48/ 47					.8			1.7	3.3	1.7								21	21	5			
46/ 45				.8	.8		1.7		3.3	2.5								11	11	6			
44/ 43				.8	.8	.8	.8		5.0									10	10	1	7		
42/ 41				.8	.8	.8	.8		2.5									7	7	6	3		
40/ 39						.8			.8									2	2	11	3		
38/ 37																				10	1		
36/ 35																				4	1		
34/ 33																				16	2		
32/ 31																				34	4		
30/ 29																				12	3		
28/ 27																				9	1		
26/ 25																				4			
24/ 23																					3		
22/ 21																					1		
20/ 19																					4		
18/ 17																					4		
16/ 15																					4		
14/ 13																					4		
12/ 11																					3		
10/ 9																					2		
8/ 7																					1		
6/ 5																					4		
4/ 3																					5		
2/ -1																					4		
-2/ -3																					4		
-4/ -5																					3		
-6/ -7																					1		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) JUL 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

MONTH

0600-0800

HOURS (1 - 5 - 7)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JUL

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
58/ 67													1.6	.9				3	3					
64/ 53									.9	.9	.9	.9						4	4					
62/ 61						.9			.9	.9		.9	1.6					6	6					
60/ 59					.9			1.8					2.7					6	6					
58/ 57							.9	.9		.9		8.1						12	12					
56/ 55				6.3	1.8		.9			1.8	2.7	3.6						19	19					
54/ 53				.9			2.7	1.8	.9	2.7	7.2	.9						19	19					
52/ 51						.9	.9		6.3	3.6	5.4							19	19	3				
50/ 49		.9			.9			.9	.9	1.8	1.8							8	8	7				
48/ 47		.9			.9	3.6				2.7								9	9	6				
46/ 45					.9					1.8								3	3	6				
44/ 43	.9								.9									2	2	7				
42/ 41									.9									1	1	6				
40/ 39																				8				
38/ 37																				14				
36/ 35																				27				
34/ 33																				11				
32/ 31																				8				
30/ 29																				6				
28/ 27																				1				
26/ 25																				1				
24/ 23																				2				
18/ 17																				3				
16/ 15																				2				
14/ 13																				4				
12/ 11																				6				
10/ 9																				5				
8/ 7																				2				
6/ 5																				2				
4/ 3																				2				
2/ 1																				2				
2/ -1																				3				
-2/ -3																				1				
-4/ -5																				4				
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

JUL  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JUL

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1200-1400

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
72/ 71													.9					1	1						
73/ 69													.9					1	1						
68/ 67													.9					1	1						
66/ 65							.9		.9	1.7	.9				.9			6	6						
54/ 53			.9						1.7	.9					.9			5	5						
52/ 61				.9				.9		.9				2.6				6	6						
50/ 59												1.7	1.7					4	4	1					
56/ 57				2.6	2.6		1.7	2.6				3.4						15	15						
56/ 55				2.6		1.7	.9	.9	.9	1.7	6.0	6.0						23	23		1				
54/ 53					.9	.9	4.3		.9	2.6	6.9	3.4						23	23	3					
52/ 51				.9		2.6	.9	1.7	2.6	.9	3.4							15	15	5					
51/ 49				.9		3.4	.9				.9							7	7	5	1				
48/ 47			.9		.9					4.3								7	7	7	5				
46/ 45																				8	5				
44/ 43		.9							.9									2	2	10					
42/ 41																				8	2				
42/ 39																				10	2				
39/ 37																				14	2				
35/ 35																				24	4				
34/ 33																				14	3				
32/ 31																				4	8				
30/ 29																				6	11				
28/ 27																				1	3				
26/ 25																					2				
24/ 23																					1				
22/ 21																					4				
20/ 19																					2				
16/ 15																					1				
14/ 13																					2				
12/ 11																					3				
10/ 9																					3				
8/ 7																					2				
6/ 5																					3				
2/ 1																					2				
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$																		

**JSAFETAC**  
FORM  
R11 44  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

JUL

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1200-1400

HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
70/ 75																	.9												1	1			
72/ 71																													1	1			
70/ 69																													1	1			
66/ 65																	.9						.9							2	2		
64/ 63																	.9													2	2		
62/ 61													1.8	1.8																4	4		
60/ 59								.9	.9	1.8																			6	6			
58/ 57				1.8	1.8		.9	.9				.9	3.6	1.8															11	11			
56/ 55				1.8	.9	.9		2.6	.9	1.8	1.8	7.9																	21	21			
54/ 53				.9			2.6	1.8	2.6	1.8	7.9	2.6																	23	23			
52/ 51							1.8	2.6	.9	1.8	2.6	3.5																	15	15	2		
50/ 49							1.8	1.8	1.8	1.8	4.4	4.4																	18	18	7		
48/ 47					.9	.9	.9	.9			1.8																		5	5	4	2	
46/ 45																																11	3
44/ 43											.9																		1	1	2	3	
42/ 41											1.8																		2	2	9		
40/ 39																																14	1
38/ 37																																8	3
36/ 35																																15	
34/ 33																																22	2
32/ 31																																12	9
30/ 29																																2	8
28/ 27																																5	4
26/ 25																																1	2
24/ 23																																	

## PSYCHROMETRIC SUMMARY

27001	MAUI OPTICAL SITE HI NORTH TOWER	79-80
STATION	STATION NAME	

YEARS

JUL  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65												.8						1	1					
64/ 63												.8						1	1					
62/ 61											.8							1	1					
60/ 59									.8				1.7					3	3					
58/ 57				.8						.8		2.5						5	5					
56/ 55			3.4	1.7				2.5	1.7			.8						12	12					
54/ 53					1.7		.8	1.7			6.7	.8						14	14					
52/ 51			.8	1.7		.8	2.5	.8	2.5	8.4								21	21	1				
50/ 49						.8	.8	3.4	5.9	5.9								20	20	5				
48/ 47		.8		.8	1.7	1.7	2.5	2.5	3.4	5.0								22	22	3	1			
46/ 45					1.7			1.7	1.7	1.7								8	8	4	3			
44/ 43		.8	1.7					.8	.8	.8								6	6	2	5			
42/ 41								.8	.8									2	2	11	1			
40/ 39								.8	.8									2	2	10	3			
38/ 37								.8										1	1	7	1			
36/ 35																				10	1			
34/ 33																				24	1			
32/ 31																				25	2			
30/ 29																				10	5			
28/ 27																				3	1			
26/ 25																				3	7			
24/ 23																				1	4			
22/ 21																					1			
20/ 19																					4			
18/ 17																					2			
16/ 15																					3			
14/ 13																					2			
12/ 11																					6			
10/ 9																					1			
8/ 7																					3			
6/ 5																					1			
4/ 3																					3			
2/ 1																					3			
0/ -1																					2			
Element (X)	Σ X <sup>2</sup>			Σ X			Σ																	

## PSYCHROMETRIC SUMMARY

YEARS

	JUL
	MONTH
PAGE 2	1900-2000
	HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

J111

**MONTH**

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-8/-9																					2
-10/-11																					6
-12/-13																					8
-14/-15																					7
-16/-17																					8
-18/-19																					3
-20/-21																					4
-22/-23																					6
-24/-25																					1
TOTAL			.8	5.8	9.9	7.4	7.4	11.6	15.7	16.5	21.5	1.7	1.7						121		121
																		121		121	





## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0000-0200  
HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
64/ 63													2.0					2	2					
62/ 61													1.0					1	1					
60/ 59								1.0					2.0	7.9				6	6					
58/ 57				1.0		1.0	2.9		1.0	1.0			2.0	1.0				10	10					
56/ 55			1.0	2.0			1.0				1.0							5	5					
54/ 53				1.0		1.0	1.0	2.0	2.0	2.0	2.9							12	12					
52/ 51			1.0	1.0	1.0	1.0		3.9	1.0	4.9	5.9							20	20	4				
50/ 49					2.0	1.0	3.9	3.9	2.0	2.0								15	15					
48/ 47					1.0	5.9	1.0	1.0	2.9									12	12	5				
46/ 45				2.0		2.0		2.0										6	6	3				
44/ 43					2.0		1.0	2.0	1.0									6	6	3				
42/ 41				1.0	1.0	1.0	1.0		1.0									5	5	6				
40/ 39									2.0									2	2	9				
38/ 37																				1				
36/ 35																				1				
34/ 33																			20	1				
32/ 31																			14	6				
30/ 29																			11	6				
28/ 27																			2	1				
26/ 25																			1	1				
24/ 23																			3	8				
22/ 21																				10				
20/ 19																				4				
18/ 17																				5				
16/ 15																				3				
14/ 13																				2				
12/ 11																				3				
10/ 9																				1				
8/ 7																				3				
6/ 5																				5				
4/ 3																				5				
2/ 1																				2				
0/ -1																				1				
-2/ -3																				2				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 0000-0200  
HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
64/ 63													2.0					2	2						
62/ 61										1.0		2.9	3.9					8	8						
60/ 59							1.0					1.0	2.0					4	4						
58/ 57				1.0		1.0	1.0		2.0	2.0	1.0	2.0	1.0					11	11						
56/ 55		1.0	1.0	1.0	2.0	1.0	2.0	1.0	3.9	2.0	4.9	2.0						22	22						
54/ 53						1.0		4.9	2.0	2.0	2.9	2.0						15	15		2				
52/ 51				1.0			1.0	2.9	3.9	2.9	2.9							15	15	1	1				
50/ 49					1.0			2.9		2.0								6	6	3	2				
48/ 47				1.0	2.9		1.0	2.0										7	7	3	1				
46/ 45						3.9	2.0			1.0								7	7	2					
44/ 43							1.0	1.0	1.0									3	3	5	2				
42/ 41					1.0													1	1	5	2				
40/ 39									1.0									1	1	21					
38/ 37																				17					
36/ 35																				22	2				
34/ 33																				13	6				
32/ 31																				4	2				
30/ 29																				1	2				
28/ 27																				2					
26/ 25																				1	3				
24/ 23																					7				
22/ 21																					7				
20/ 19																					8				
18/ 17																					4				
16/ 15																					7				
14/ 13																					5				
12/ 11																					2				
10/ 9																					2				
8/ 7																					6				
6/ 5																					1				
4/ 3																					4				
2/ 1																					1				
0/ -1																					2				
-2/ -3																					2				
Element (X)	ΣX <sup>2</sup>			ΣX			Σ			Σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature									
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OLA) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 84  
USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

AUG  
MONTH

PAGE 2      0300-0500  
HOURS (L. S. T.)

[illegible]

JSAFETAC  
FORM  
NH 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 1 0600-0807  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61												1.0	3.0					4	4					
61/ 59						3.0						2.0	2.0					7	7					
58/ 57				1.0	1.0		1.0		1.0	3.0	1.0	4.0						12	12					
55/ 55				2.0				1.0	2.0	4.0	1.0	4.0						14	14					
54/ 53						3.0	3.0	2.0	2.0	4.0	3.0	2.0						19	19					
52/ 51						1.0	2.0	4.0	2.0	4.0	1.0							14	14		3			
5 / 49					1.0	1.0	3.0	3.0	5.1	2.0								19	15		4			
46/ 47						2.0	1.0											3	3		1			
46/ 45					1.0	3.0	3.0	1.0	1.0									9	9		3			
44/ 43								1.0										1	1		1			
42/ 41							1.0											1	1		2			
4 / 39																				14				
36/ 37																				23	2			
35/ 35																				18				
34/ 33																				18	3			
32/ 31																				4	1			
30/ 29																				2				
26/ 27																					5			
20/ 25																					5			
24/ 23																					2			
22/ 21																					9			
20/ 19																					3			
13/ 17																					8			
16/ 15																					6			
14/ 13																					3			
12/ 11																					2			
10/ 9																					3			
8/ 7																					5			
6/ 5																					5			
4/ 3																					4			
2/ 1																					3			
-1/ -3																					3			
-4/ -5																					4			
-6/ -7																					1			
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 1      0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73													2.0					2	2		
68/ 67														1.0				1	1		
66/ 65													1.0	1.0				2	2		
64/ 63							2.0	1.0	1.0		1.0							5	5		
62/ 61						1.0			1.0	1.0	2.0	1.0	1.0					7	7		
6 / 59						1.0			1.0	2.0	4.1	1.0	4.1					13	13		
68/ 67		1.0						3.1	2.0	2.0		5.1						13	13		
5- / 55				1.0		1.0	2.0	3.1	4.1	4.1		3.1						18	18	1	1
54/ 53			1.0			1.0	3.1	4.1	3.1	2.0								14	14	1	
52/ 51							1.0		4.1	4.1								9	9	4	
50/ 49						4.1	2.0	1.0										7	7	5	1
48/ 47				1.0	1.0		2.0											4	4		
46/ 45							1.0											1	1	3	1
44/ 43																				11	4
42/ 41		1.0																1	1	19	
4 / 39		1.0																1	1	20	1
38/ 37																				17	1
36/ 35																				15	5
34/ 33																				2	2
32/ 31																					2
30/ 29																					7
28/ 27																					6
26/ 25																					6
24/ 23																					9
22/ 21																					6
20/ 19																					4
18/ 17																					3
16/ 15																					8
14/ 13																					5
12/ 11																					1
10/ 9																					5
8/ 7																					1
6/ 5																					1
4/ 3																					2
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature					
Rel. Hum.													≤ 0 F    ≤ 32 F    ≥ 67 F    ≥ 73 F    ≥ 80 F    ≥ 93 F    Total								
Dry Bulb																					
Wet Bulb																					
Dew Point																					



## PSYCHROMETRIC SUMMARY

**YEARS**

AUG  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

STATION

STATION NAME

YEARS

AUG

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL																																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																																																							
70/ 69													1.0				1.0																																																										
66/ 65													1.0			1.0																																																											
64/ 63													1.0			1.0																																																											
62/ 61													1.0	1.0			1.0																																																										
60/ 59													1.0	1.0			1.0	1.0																																																									
58/ 57													1.0	1.0	1.0		1.0	1.0	1.0																																																								
56/ 55													1.0	1.0	1.0		1.0	1.0	1.0																																																								
54/ 53													1.0	1.0	1.0		1.0	1.0	1.0																																																								
52/ 51													1.0	1.0	1.0		1.0	1.0	1.0																																																								
50/ 49													1.0	1.0	1.0		1.0	1.0	1.0																																																								
48/ 47													1.0	1.0	1.0		1.0	1.0	1.0																																																								
46/ 45													1.0	1.0	1.0		1.0	1.0	1.0																																																								
44/ 43													1.0	1.0	1.0		1.0	1.0	1.0																																																								
42/ 41													1.0	1.0	1.0		1.0	1.0	1.0																																																								
40/ 39													1.0	1.0	1.0		1.0	1.0	1.0																																																								
38/ 37													1.0	1.0	1.0		1.0	1.0	1.0																																																								
36/ 35													1.0	1.0	1.0		1.0	1.0	1.0																																																								
34/ 33													1.0	1.0	1.0		1.0	1.0	1.0																																																								
32/ 31													1.0	1.0	1.0		1.0	1.0	1.0																																																								
30/ 29													1.0	1.0	1.0		1.0	1.0	1.0																																																								
28/ 27													1.0	1.0	1.0		1.0	1.0	1.0																																																								
26/ 25													1.0	1.0	1.0		1.0	1.0	1.0																																																								
24/ 23													1.0	1.0	1.0		1.0	1.0	1.0																																																								
22/ 21													1.0	1.0	1.0		1.0	1.0	1.0																																																								
20/ 19													1.0	1.0	1.0		1.0	1.0	1.0																																																								
18/ 17													1.0	1.0	1.0		1.0	1.0	1.0																																																								
16/ 15													1.0	1.0	1.0		1.0	1.0	1.0																																																								
14/ 13													1.0	1.0	1.0		1.0	1.0	1.0																																																								
12/ 11													1.0	1.0	1.0		1.0	1.0	1.0																																																								
10/ 9													1.0	1.0	1.0		1.0	1.0	1.0																																																								
8/ 7													1.0	1.0	1.0		1.0	1.0	1.0																																																								
6/ 5													1.0	1.0	1.0		1.0	1.0	1.0																																																								
4/ 3													1.0	1.0	1.0		1.0	1.0	1.0																																																								
2/ 1													1.0	1.0	1.0		1.0	1.0	1.0																																																								
Element (X)	Σ X <sup>2</sup>					Σ X					X̄					σ <sub>x</sub>					No. Obs.					Mean No. of Hours with Temperature																																																	
Rel. Hum.																										≤ 0 F					≤ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F					Total																			
Dry Bulb																																																																											
Wet Bulb																																																																											
Dew Point																																																																											

USAFETAC FORM 0-26-5 (OL A) REVIDED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
AUG  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
56/ 65												1.0						1	1														
64/ 63													2.0					2	2														
62/ 61											1.0							1	1														
61/ 59										3.0	1.0							4	4														
58/ 57									1.0	1.0	1.0	2.0						5	5														
55/ 55							3.0	2.0	1.0	2.0		1.0						9	9														
54/ 53				4.0			1.0	5.0	2.0	1.0	4.0							17	17														
52/ 51			1.0		2.0	1.0	4.0	4.0	2.0	3.0	5.0							22	22														
50/ 49						3.0	2.0	2.0	2.0									9	9	4													
48/ 47				1.0	3.0	4.0		1.0	1.0									10	10	1													
45/ 45				1.0	3.0	3.0	2.0											9	9														
44/ 43					1.0	1.0	2.0	2.0	1.0									7	7	7													
42/ 41				1.0			1.0	1.0										3	3	13													
40/ 39				1.0														1	1	21													
38/ 37																				19													
36/ 35																				14													
34/ 33																				11													
32/ 31																				7													
30/ 29																				2													
28/ 27																				1													
26/ 25																																	
24/ 23																																	
22/ 21																																	
20/ 19																																	
18/ 17																																	
16/ 15																																	
14/ 13																																	
12/ 11																																	
10/ 9																																	
8/ 7																																	
4/ 3																																	
2/ 1																																	
-2/ -3																																	
-4/ -5																																	
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.													≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-6/ -7																					2			
-5/ -9																					3			
-12/-13																					1			
TOTAL			1.0	8.0	9.0	12.0	15.0	17.0	10.0	10.0	12.0	4.0	2.0						100		100			
																		100		100				
																				</				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

07001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

AUG  
MONTH

STATION

STATION NAME

YEARS

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
53/ 59												1.0						1	1					
56/ 57				2.0					3.0		2.0	2.0						9	9					
55/ 55			1.0	1.0			1.0		3.0	1.0		1.0						6	6					
54/ 53				3.0			4.0	2.0	1.0		4.0							14	14					
52/ 51				1.0			1.0	3.0	3.0	2.0	9.0							19	19	4				
50/ 49					2.0	2.0		5.0			1.0							10	10	2				
48/ 47				1.0	1.0	3.0	3.0											8	8	3				
46/ 45			1.0	1.0	3.0	2.0		3.0										10	10	2				
44/ 43				3.0	1.0		3.0	2.0										9	9	2				
42/ 41				1.0	3.0	1.0		4.0	1.0									10	10	1				
40/ 39					1.0				1.0									2	2	1				
36/ 37																				17				
36/ 35																				18				
34/ 33																				13				
32/ 31																				11				
30/ 29																				1				
28/ 27																				4				
26/ 25																				2				
24/ 23																								
22/ 21																								
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
-2/ -3																								
-4/ -5																								
-6/ -7																								
-8/ -9																								
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ					
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

## YEARS

AUG  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

AUG  
MONTH

PAGE 1

ALL  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
74/ 73													.2					2	2				
70/ 69													.1	.1				2	2				
68/ 67								.1						.2	.1			4	4				
66/ 65									.1		.1	.1	.1	.4				7	7				
64/ 63						.1	.2	.4	.5	.2	.5		.7	.1				23	23				
62/ 61						.4	.2		.4	.7	.5	1.1	1.2					37	37				
60/ 59				.2		.6	.1	.2	.9	1.7	.9	1.1	1.4					58	58				
58/ 57		.2	.1	.7	.2	.7	.7	1.5	2.6	1.6	1.1	2.4	.2					99	99				
56/ 55		.1	.4	1.0	.2	.4	1.6	3.2	3.0	2.1	1.4	1.5						120	120	2	1		
54/ 53			.1	1.0	.1	1.0	2.6	2.9	1.9	1.5	2.1	.5						110	110	9	1		
52/ 51			.2	.5	.9	.7	1.7	2.5	2.2	2.6	3.0							116	116	22	1		
50/ 49				1.2	1.4	1.9	2.2	1.1	.7	.1								67	67	24	7		
48/ 47				.5	1.1	2.7	1.4	.6	.5									55	55	22	10		
46/ 45			.1	.5	.9	1.9	1.2	.7	.1	.1								45	45	23	13		
44/ 43				.4	.8	.1	.9	1.7	.4									26	26	77	16		
42/ 41		.2		.4	.7	.2	.4	.6	.2									23	23	112	11		
40/ 39		.1		.1	.2				.5									8	8	132	7		
38/ 37																				127	12		
36/ 35																				117	14		
34/ 33																				76	32		
32/ 31																				37	32		
30/ 29																				8	45		
28/ 27																				8	61		
26/ 25																				6	53		
24/ 23																					46		
22/ 21																					60		
20/ 19																					39		
18/ 17																					40		
16/ 15																					36		
14/ 13																					25		
12/ 11																					20		
10/ 9																					20		
8/ 7																					25		
6/ 5																					21		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

AUG  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

SEP  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 0000-0200  
HOURS (L, S, T.)

0000-0200  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
57 / 51											.6							1	1													
57 / 59											.6							2	2													
55 / 57				1.3	.6	.6				.6	2.4	1.2	2.9					17	17													
55 / 55				.6	1.2				.6	1.2	1.8	1.8	.6					13	13													
54 / 53			.6		1.2	2.4			.6	1.2	2.4	2.9						19	19													
52 / 51		.5	1.2	.6	2.9	2.4	1.2	2.9	1.8	1.2								25	25													
51 / 49			1.2	2.4	2.9	4.1	.6		.6	.6								21	21	5												
49 / 47			1.2			.6	1.2	1.2	.6									6	6	5												
46 / 45		1.3	1.2			.6		2.4	1.8									13	13	8												
44 / 43			.6			1.2		1.2										5	5	22												
42 / 41				1.8	1.8		.6											7	7	13												
40 / 39						2.4	5.9	1.2	.6									17	17	17												
38 / 37				.6	.6	.6	3.9	.6										10	10	17												
36 / 35					.6	1.2	1.2	.6										6	6	19												
34 / 33				1.2			.6											3	3	12												
32 / 31				.6			.6											2	2	8												
30 / 29																				14												
28 / 27					.6													1	1	10												
26 / 25																				10												
24 / 23																				4												
22 / 21																				2												
20 / 19																				1												
18 / 17																																
16 / 15																																
14 / 13																																
12 / 11																																
10 / 9																																
8 / 7																																
6 / 5																																
4 / 3																																
2 / 1																																
0 / -1																																
-2 / -3																																
-4 / -5																																
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																																
Wet Bulb																																
Dew Point																																

## PSYCHROMETRIC SUMMARY

YEARS

CFR

**MONTH**

PAGE 2

0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

SEP  
MONTH

PAGE 2 0300-0500  
HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

SFB

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 0500-0800  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

SEP

**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

SEP

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0900-1100  
HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

SEP  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
68/ 67											.6							1	1					
66/ 65							.6	.6				.6		.6				4	4					
64/ 63							.6	2.3	1.2		.6	.6	.6					11	11					
62/ 61						1.2	2.3	2.9	1.2	3.5	3.5	1.2	1.2					29	29					
60/ 59				2.9	2.3	2.9	.6	1.7	1.2	1.7	.6	.6						25	25					
58/ 57				1.2	5.2	1.2	1.2	1.7		.6								19	19		1			
56/ 55				1.2	2.3	.6		2.3										11	11		2			
54/ 53			.6	2.3	.6		.6	.6	.6	.6								10	10		7			
52/ 51			1.2			.6	1.7	.6	1.2	1.2								11	11	19	2			
50/ 49				.6	1.2	1.2	.6		1.7		.6							10	10	26	1			
48/ 47					1.2	.6	.6	1.2	2.3									10	10	18	7			
46/ 45					.6	.6	.6	1.2	2.3									9	9	12	16			
44/ 43					1.2	.6	.6	1.2	1.2									8	8	10	15			
42/ 41				.6		.6	.6	.6	.6									5	5	14	12			
40/ 39			.6		.6	.6		1.2										5	5	11	6			
38/ 37					.6	.6												2	2	10	5			
36/ 35					1.2													2	2	6	7			
34/ 33																				9	7			
32/ 31																				11	3			
30/ 29																				10	6			
28/ 27																				3	13			
26/ 25																				3	10			
24/ 23																					5			
22/ 21																					5			
20/ 19																					4			
18/ 17																					4			
16/ 15																					6			
14/ 13																					4			
12/ 11																					6			
10/ 9																					3			
8/ 7																					6			
6/ 5																					2			
4/ 3																					2			
2/ 1																					5			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

SEP  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS SEP  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000  
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61							.6					1.2						3	3					
60/ 59						.6	.6				.6		1.2					5	5					
58/ 57							.6			.6	1.2	1.7						7	7					
56/ 55				2.9	1.2	1.2	2.3	1.7	1.2	2.3	2.3	1.7						29	29					
54/ 53				1.7	2.3	3.9		2.3	2.3	2.9	.6							27	27					
52/ 51				.6	4.1	5.2	2.9	1.2	.6	.6								26	26					
50/ 49			.6			1.7	1.7	.6	2.3	.6								13	13		7			
48/ 47				.6		.6	1.2	.6	1.7	.6								9	9		1			
46/ 45				.6	.6	1.2	1.2	1.2	.6									9	9	12	2			
44/ 43				1.2			.6	2.3										7	7	14	5			
42/ 41				.6		1.7	.6	1.7	.6									9	9	13	6			
40/ 39			.6			.6	4.1											9	9	22	8			
36/ 37		1.7				.6	2.9											9	9	21	3			
36/ 35				.6			1.2	.6										4	4	24	12			
34/ 33		1.2					1.2	.6										5	5	6	9			
32/ 31						.6												1	1	17	5			
30/ 29																				4	11			
28/ 27																				12	6			
26/ 25																				4	6			
24/ 23																				3	9			
22/ 21																				4	3			
20/ 19																					3			
18/ 17																					7			
16/ 15																					7			
14/ 13																					6			
12/ 11																					3			
10/ 9																					10			
8/ 7																					10			
6/ 5																					7			
4/ 3																					6			
2/ 1																					4			
0/ -1																					5			
-2/ -3																					4			
-4/ -5																					5			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC JUL 84





## PSYCHROMETRIC SUMMARY

00001	MAUI OPTICAL SITE HI NORTH TOWER	79-80
STATION	STATION NAME	

SEP  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

SEP  
MONTH

ALL

HOURS (L, S, T.)



## PSYCHROMETRIC SUMMARY

YEAR \_\_\_\_\_ MONTH OCT  
 PAGE 1 0000-0200  
 HOURS (L. S. T.) \_\_\_\_\_

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

0000-0200  
HOURS (L, S, T.)

20

10

OCT  
MONTH

0300-0500  
HOURS (L, S, T.)

**USAFETAC**  
FORM  
JUN 64  
**0-26-5 (OLA)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

021  
MONTH

PAGE 2 0300-0500  
NORRIS (L. S. T.)

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 1 0600-0800  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
50/ 59										1.4								2	2					
58/ 57											.7	1.4						3	3					
56/ 55					.7				2.1	2.8	.7	.7						6	6					
54/ 53				.7		.7	.7	2.1	2.8	4.2	.7							17	17					
52/ 51				2.1	.7	.7	2.1	2.1	2.1	4.9	2.1							24	29					
50/ 49				2.8	.7	2.1		1.4	2.1	1.4	.7							16	16					
48/ 47					.7	.7	.7		.7									4	5	2				
46/ 45					.7	.7	4.2		1.4									10	10	5				
44/ 43						5.6	4.2	1.4										16	16	9				
42/ 41				.7	.7	9.9	2.1											19	24	5				
40/ 39					1.4	6.3												11	21	13				
38/ 37					2.8	5.6												12	14	2				
36/ 35					.7	.7												2	5	18				
34/ 33																			1	29				
32/ 31																				28				
30/ 29																				15				
28/ 27																				6				
26/ 25																				1				
24/ 23																								
22/ 21																				6				
20/ 19																				11				
18/ 17																				16				
16/ 15																				10				
14/ 13																				22				
12/ 11																				10				
10/ 9																				7				
8/ 7																				4				
6/ 5																				8				
4/ 3																				7				
2/ 1																				6				
-2/ -3																				3				
-4/ -5																				2				
-6/ -7																				1				
-10/ -11																				1				
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

**OCT**  
**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)





## PSYCHROMETRIC SUMMARY

OCT

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

00001	MAUI OPTICAL SITE HI NORTH TOWER	79-80
STATION	STATION NAME	

OCT

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 2100-2300  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

00001      MAUI OPTICAL SITE HI NORTH TOWER      79-80

OCT

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

ALL

HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0000-0200

HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 2 0000-0200  
HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

**YEARS**

**MONTH**

0300-0500

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 D300-D500  
HOURS (L, S, T.)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

NOV  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 55											1.0							1	1					
52/ 51									1.0	7.1	4.0							12	12					
50/ 49									2.0	5.1	1.0							8	9					
48/ 47								1.0	3.2	1.0								10	10					
46/ 45						4.0	1.0	1.0	11.1	2.0								15	21					
44/ 43				1.0	1.0	2.0		8.1	2.0	1.0								15	15					
42/ 41		1.0	2.0		3.0	2.0		3.0	4.0									15	17					
40/ 39			2.0	2.0	2.0				2.0									8	11		1			
38/ 37	1.0	1.0	1.0	1.0	2.0			1.0										7	11	4	2			
36/ 35			1.0				1.0											2	6	14				
34/ 33					1.0	1.0												2	3	25	2			
32/ 31																			1	20	4			
30/ 29																				19	1			
28/ 27																				7	3			
26/ 25																				8	4			
24/ 23																				1	4			
22/ 21																					4			
20/ 19																					2			
18/ 17																					2			
16/ 15																					2			
14/ 13																					3			
10/ 9																					1			
8/ 7																					5			
6/ 5																					9			
4/ 3																					9			
2/ 1																					8			
0/ -1																					11			
-2/ -3																					4			
-4/ -5																					3			
-6/ -7																					2			
-8/ -9																					2			
-12/-13																					2			
-14/-15																					1			
-16/-17																					3			
Element (X)	ΣX <sup>2</sup>		ΣX		X		ΣX		X		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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USAFETAC

## PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 0600-0800  
HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

**YEARS**

**MONTH**

HOURS (L, S, T)

## PSYCHROMETRIC SUMMARY

00001	MAUI OPTICAL SITE HI NORTH TOWER	77-79
STATION	STATION NAME	

NOV

**MONTH**

PAGE 2

8900-1100

HOURS (L, S, T,)

## PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 1200-1400

HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

NOV

**MONTH**

**HOURS (L. S. T.)**

## PSYCHROMETRIC SUMMARY

NOV

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
56/ 55											1.0								1	1												
54/ 53											1.0								1	1												
52/ 51											8.6	1.0							10	10												
50/ 49					1.0			1.0		7.6									10	11												
48/ 47								4.8	5.7	3.8									15	15												
46/ 45				1.9	1.0	1.9	1.0	1.9	10.9										19	21												
44/ 43					1.0	3.8	1.0	3.8	2.9										13	13												
42/ 41			2.9	1.9	1.9	1.0	1.0	3.8	1.9										15	15	1											
40/ 39			1.9	1.9		1.0	1.9	3.8											11	15	2											
38/ 37			1.0	1.0			1.9												4	8	6											
36/ 35			1.9		1.0	1.0	1.9												6	9	13											
34/ 33																					22											
32/ 31																				1	25											
30/ 29																					11											
28/ 27																					13											
26/ 25																					5											
24/ 23																					1											
22/ 21																																
18/ 17																																
16/ 15																																
14/ 13																																
12/ 11																																
8/ 7																																
6/ 5																																
4/ 3																																
2/ 1																																
0/ -1																																
-2/ -3																																
-4/ -5																																
-6/ -7																																
-8/ -9																																
-10/ -11																																
-14/ -15																																
-18/ -19																																
Element (X)	Σ X <sup>2</sup>			Σ X			X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																			
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																
Wet Bulb																																
Dew Point																																

## PSYCHROMETRIC SUMMARY

NOV

PAGE 2 2100-2300  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

NOV

**MONTH**

42

ALL  
HOURS (L, S, T.)

## PSYCHROMETRIC SUMMARY

NOV

**MONTH**

611

**ALL**  
**HOURS (L. S. T.)**

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
58/ 57																		1	3					
56/ 55												.6						2	2					
54/ 53												.6						2	10					
52/ 51												.6	2.4	1.2				7	24					
50/ 49											1.2	3.6						8	12					
48/ 47											3.6	1.2						8	18					
46/ 45			.6	.6	1.8	1.2	.6	3.0	3.6	.6								20	41					
44/ 43				3.0	2.4	3.0	5.4	3.0	3.0	.6								35	41					
42/ 41		.6		1.8	.6	1.2	3.6	3.6	1.2									21	29	3				
40/ 39		1.2		1.2	1.8	.6	1.8	2.4	3.0									20	27	4				
38/ 37			.6	1.2		2.4	1.2	4.7										17	17	6				
36/ 35		.6	.6			1.2	.6	1.8										8	8	15				
34/ 33	.6	1.2	.6	.6	.6		.6											7	7	28				
32/ 31	.6	1.8	.6	.6	.6	.6	.6											9	9	33				
30/ 29				.6	1.2													3	3	27				
28/ 27		.6	.6		.6													3	3	17				
26/ 25																				17				
24/ 23																				12				
22/ 21																				6				
20/ 19																				1				
18/ 17																								
16/ 15																				6				
14/ 13																				3				
12/ 11																				8				
10/ 9																				13				
8/ 7																				5				
6/ 5																				7				
4/ 3																				9				
2/ 1																				11				
0/ -1																				4				
-2/ -3																				5				
-4/ -5																				4				
-6/ -7																				11				
-8/ -9																				5				
-10/ -11																				6				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ					
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

DEC

**YEARS**

0000-0200

HOURS (L, S, T.)



## PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1 0300-0500

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
56/ 55																			3					
54/ 53											.6	1.6	.6					5	9					
52/ 51											1.2	1.2						4	18					
50/ 49						.6		.6			3.6							8	20					
48/ 47					.6	.6	.6		.6	3.0	2.4							12	20					
46/ 45				.6	4.8		.6		3.6	3.6								22	34					
44/ 43				.8	3.0		.8		3.0	2.4								16	30					
42/ 41		1.2	.6	3.0	6.0	1.8	2.4	3.0	3.0									35	40	3				
40/ 39	.6	.6	1.2	3.0	1.8	1.8	2.4	4.2	.6									27	34	7				
38/ 37	1.8			.6	.6	1.8	.6	3.0										14	16	17				
36/ 35				.6	1.2		.8	1.2										6	7	14				
34/ 33	.5	.6	.6	.6		1.2	.6											7	7	25				
32/ 31	.6	1.2			.6	.6	.6											6	6	32				
30/ 29					.6													1	1	25				
28/ 27				1.2	.6													3	3	13				
26/ 25																				5				
24/ 23																				8				
22/ 21																				5				
20/ 19																				2				
18/ 17																				5				
16/ 15																				2				
14/ 13																				8				
12/ 11																				7				
10/ 9																				1				
8/ 7																				8				
6/ 5																				6				
4/ 3																				16				
2/ 1																				5				
0/ -1																				1				
-2/ -3																				11				
-4/ -5																				4				
-6/ -7																				6				
-8/ -9																				5				
-10/ -11																				5				
Element (X)	$\Sigma X^2$	$\Sigma X$																						
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

DEC

**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
DEC  
MONTH

PAGE 1 0900-1100  
HOURS (L, S, T.)

Temp (F)	WET BULB TEMPERATURE-DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
64/ 63													.6					1	1					
62/ 61													.6					1	1					
60/ 59													.6					3	5					
58/ 57													1.2						10					
56/ 55										1.2	.6							3	18					
54/ 53				.6		.6			1.2	1.8								7	19					
52/ 51				.6	.6	.6		.6	1.8	1.2	.6							10	22					
50/ 49					2.5	2.5	.6	3.1	2.5	3.1	.6							24	31					
48/ 47					3.7	.6	1.2	.6	7.4	1.2								24	32	1				
46/ 45			.6		3.7	1.8		2.5	1.8									17	23	2				
44/ 43				1.2	1.8	1.2	4.9	.6	3.7									22	27	2	1			
42/ 41		.6			1.2	1.8	1.8	1.8	3.1									17	19	6				
40/ 39	1.2	.6			.6	1.8	1.2	3.7	.6									16	16	16	2			
38/ 37	1.2	.6			1.2	1.2	1.8	1.2										12	12	24	6			
36/ 35																			2	21	3			
34/ 33		1.2			.6													3	3	18				
32/ 31	.6		.6															2	2	30	13			
30/ 29																				14	11			
28/ 27																				13	8			
26/ 25	.6																	1	1	14	4			
24/ 23																				2	2			
22/ 21																					3			
20/ 19																					3			
18/ 17																					6			
16/ 15																					7			
14/ 13																					11			
12/ 11																					13			
10/ 9																					9			
8/ 7																					12			
6/ 5																					5			
4/ 3																					5			
2/ 1																					4			
0/ -1																					7			
-2/ -3																					2			
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

77-79

DEC

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0900-1100

HOURS (L, S, T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

(OL-A)

WFO  
11/1/61

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
64/ 63													1.9					3	3						
60/ 59													.6					1	4						
58/ 57										2.5	.6	.6						6	17						
56/ 55							.6		.6	1.9	1.3	.6						8	26						
54/ 53			.6	.6			1.3	.6	4.4	3.1	.6							18	39						
52/ 51					.6	1.3	1.3	1.3	.6	1.3								10	23						
50/ 49				.6	1.3	1.3	1.9					1.3						10	21		1				
48/ 47			.6		1.9	1.9	2.5	2.5	2.5	1.3								21	24		1				
46/ 45			1.9	.6	3.1	1.3	1.3	1.3	2.5									19	21		1				
44/ 43				.6	1.9	1.9	6.9	3.1	1.9	.6								27	32		5				
42/ 41		1.9			1.9	.6	3.8	.6	1.3									16	17	11	4				
40/ 39	.6				.6	.6		1.9	.6									7	7	23	3				
38/ 37		.6			1.3	1.3	1.3											7	7	23	2				
36/ 35		.6			.6	.6	.6											4	4	21	2				
34/ 33			1.3				.6											3	3	17	6				
32/ 31																				19	6				
30/ 29																				21	8				
28/ 27																				8	8				
26/ 25																				7	6				
24/ 23																				1	7				
22/ 21																				1	6				
20/ 19																					5				
18/ 17																					8				
16/ 15																					16				
14/ 13																					8				
12/ 11																					8				
10/ 9																					10				
8/ 7																					7				
6/ 5																					4				
4/ 3																					1				
2/ 1																					9				
0/ -1																					4				
-2/ -3																					5				
-4/ -5																					3				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

DEC

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
64/ 63																		1	1													
62/ 61																		1	1													
60/ 59																		2	2													
58/ 57																		2	2													
56/ 55																		6	19													
54/ 53																		13	31													
52/ 51																		6	14													
50/ 49																		18	38													
48/ 47																		24	33													
46/ 45																		16	17													
44/ 43																		16	22													
42/ 41																		20	21													
40/ 39																		16	17													
38/ 37																		9	9													
36/ 35																		5	5													
34/ 33																		4	3													
32/ 31																																
30/ 29																		1	1													
28/ 27																		4	4													
26/ 25																																
24/ 23																																
22/ 21																																
20/ 19																																
18/ 17																																
16/ 15																																
14/ 13																																
12/ 11																																
10/ 9																																
8/ 7																																
6/ 5																																
4/ 3																																
2/ 1																																
0/ -1																																
-2/ -3																																
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb																																

## PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS \_\_\_\_\_ DEC \_\_\_\_\_  
 MONTH \_\_\_\_\_  
 PAGE 1 1800-2000  
 HOURS (L. S. T.) \_\_\_\_\_

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
58/ 57												.6	.6					2	2					
56/ 55												.6						1	1					
54/ 53											1.9							3	17					
52/ 51										1.2	1.9							5	19					
50/ 49						.6	.6		7.1	1.9								10	19					
48/ 47					.6	1.2	.6		.6	1.2								7	23					
46/ 45					4.3		1.2	3.7	7.4									27	46					
44/ 43				3.1	1.2	1.2	3.1	4.3	3.3	.6								27	31					
42/ 41			1.9	1.9	.6	1.2	3.1	1.2	.6									17	22					
40/ 39	.6	1.9	.6	1.9	1.2	1.2	4.3	1.9	.6									23	23	7				
38/ 37	.6	.6	.6		.6	1.9	.6	4.3										15	19	19	3			
36/ 35		.6	.6		1.2	.6	1.2	.6										8	8	13	2			
34/ 33	.6	.6	.6		1.2	1.9	1.9											11	11	24	3			
32/ 31					.6		.6											2	2	26	13			
30/ 29					.6		.6											2	2	33	8			
28/ 27		.6																1	1	12	8			
26/ 25						.6												1	1	13	4			
24/ 23																				9	2			
22/ 21																				3	4			
20/ 19																				2	2			
18/ 17																				1	3			
16/ 15																					5			
14/ 13																					5			
12/ 11																					7			
10/ 9																					14			
8/ 7																					12			
6/ 5																					11			
4/ 3																					5			
2/ 1																					2			
0/ -1																					7			
-2/ -3																					9			
-4/ -5																					5			
-6/ -7																					4			
-8/ -9																					3			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

**MONTH**

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
58/ 57												.6						1	1						
56/ 55												.6						1	2						
54/ 53											2.4	1.2						6	22						
52/ 51												.6						1	11						
50/ 49									2.4	1.2								6	11						
48/ 47					.6		1.2		3.0	1.2								10	22						
46/ 45					2.4	1.6	.6	4.7	3.6	1.6								25	45						
44/ 43			.5	2.4	.6	2.4	3.6	2.4	4.7									26	33						
42/ 41		.6	.6	1.2		1.2		3.0	.6									12	18	1					
40/ 39	.6	.6	1.2	1.2	.6	.6	3.6	5.3	1.2									25	33	6					
38/ 37			1.2	1.2	.6	3.0		3.6										16	17	7					
36/ 35	1.2	1.6	.6	.6	1.6	1.6	.6	.6										15	15	15					
34/ 33			.6	.6	.6	1.2	1.6											6	8	32					
32/ 31			.6	1.2	.6	4.1												11	11	21					
30/ 29		.6		.6		.6												3	3	29					
28/ 27		.6																1	1	21					
25/ 25																				16					
24/ 23																				13					
22/ 21																				8					
20/ 19																				6					
18/ 17																				4					
16/ 15																				6					
14/ 13																				8					
12/ 11																				5					
10/ 9																				8					
8/ 7																				12					
6/ 5																				10					
4/ 3																				9					
2/ 1																				6					
0/ -1																				3					
-2/ -3																				13					
-4/ -5																				8					
-6/ -7																				8					
-8/ -9																				3					
Element (X)	ΣX <sup>2</sup>	ΣX		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2      2100-2300

HOURS 12. 3. 7.

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-79

YEARS

DEC  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 63																		5	5					
62/ 61																		2	2					
60/ 59																		6	11					
58/ 57																		11	41					
56/ 55																		21	73					
54/ 53																		58	157					
52/ 51																		46	141					
50/ 49																		90	175					
48/ 47																		122	196					
46/ 45																		161	251					
44/ 43																		200	260					
42/ 41																		163	199					
40/ 39																		153	178					
38/ 37																		112	120					
36/ 35																		54	60					
34/ 33																		50	50					
32/ 31																		32	32					
30/ 29																		11	11					
28/ 27																		12	12					
26/ 25																		2	2					
24/ 23																			1					
22/ 21																								
20/ 19																								
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
0/ -1																								
-2/ -3																								
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OLA) JUL 64  
USAFETAC



## PSYCHROMETRIC SUMMARY

DEC

**MONTH**

ALL

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**A11**

STATION NAME

**YEARS**

**MONTH**

ALL

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-80

STATION

STATION NAME

YEARS

ALL

MONTH

PAGE 2

ALL

HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
8/ 7																					434															
6/ 5																					371															
4/ 3																					398															
2/ 1																					356															
0/ -1																					318															
-2/ -3																					301															
-4/ -5																					289															
-6/ -7																					255															
-8/ -9																					252															
-10/-11																					223															
-12/-13																					237															
-14/-15																					210															
-16/-17																					197															
-18/-19																					150															
-20/-21																					132															
-22/-23																					103															
-24/-25																					89															
-26/-27																					43															
-28/-29																					48															
-30/-31																					26															
-32/-33																					27															
-34/-35																					23															
-36/-37																					25															
-38/-39																					17															
-40/-41																					11															
-42/-43																					13															
-44/-45																					17															
-46/-47																					12															
-48/-49																					7															
-50/-51																					3															
-52/-53																					3															
TOTAL	1.6	5.7	3.4	5.9	8.0	11.0	11.7	13.4	15.0	11.8	7.9	3.4	1.1	.2	.1	.0			12539		11205															
																		11205		11205																
Element (X)	Σx²			Σx			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ								
Rel. Hum.	19100665			368749			32.9			24.934			11205			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb	27763334			582946			46.9			7.265			12539						159.8			19.3			2.7						8760					
Wet Bulb	13757928			386576			34.9			6.129			11205						3652.6												8760					
Dew Point	5673577			137425			12.3			18.867			11205			2543.2			7557.9												8760					

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-80

STATION		STATION NAME												YEARS	
HRS IL S'T		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	40.0	38.0	40.5	40.6	47.2	47.9	49.1	51.0	48.0	45.1	43.3	43.4	44.3	
	S D	3.866	4.571	3.513	5.740	4.129	3.767	4.489	5.221	7.314	5.552	4.625	6.049	6.473	
	TOTAL OBS	91	158	137	88	93	90	118	102	170	166	113	253	1579	
03-05	MEAN	39.0	38.7	41.3	41.3	46.8	46.6	49.5	53.4	50.0	46.8	43.1	43.4	44.9	
	S D	3.703	4.593	3.615	4.522	3.414	3.121	4.735	5.110	9.064	7.657	4.139	5.553	6.985	
	TOTAL OBS	92	156	136	90	93	89	120	102	171	165	117	247	1578	
06-08	MEAN	39.0	38.2	41.4	42.5	48.5	48.8	50.7	53.1	49.3	45.9	43.7	43.8	45.2	
	S D	4.252	4.474	3.686	5.350	3.963	4.242	5.236	4.415	7.880	6.216	5.003	5.434	6.854	
	TOTAL OBS	91	157	133	88	93	90	119	99	168	165	117	241	1561	
09-11	MEAN	41.8	41.1	45.1	45.0	52.7	53.2	54.2	56.1	53.5	49.5	48.2	47.4	48.8	
	S D	5.208	5.646	4.014	5.960	3.943	4.783	5.107	5.570	7.647	6.863	5.620	6.318	7.423	
	TOTAL OBS	89	155	129	86	92	90	111	98	175	164	119	244	1552	
12-14	MEAN	43.6	43.0	47.6	46.0	53.1	53.6	55.5	57.3	54.6	51.4	49.7	48.8	50.2	
	S D	6.082	5.829	4.064	5.906	5.392	4.933	5.091	5.475	7.495	6.469	6.222	6.452	7.349	
	TOTAL OBS	88	157	127	84	93	90	116	98	172	166	121	245	1557	
15-17	MEAN	42.1	42.1	46.2	44.9	52.3	52.4	54.3	55.8	53.2	49.0	47.7	47.4	48.8	
	S D	5.929	5.447	4.158	5.248	5.573	4.587	5.220	4.541	6.978	5.441	6.217	6.559	7.094	
	TOTAL OBS	91	156	132	81	92	89	114	103	175	165	122	247	1567	
18-20	MEAN	40.0	38.7	42.2	42.3	48.8	49.4	50.7	51.4	49.4	45.5	44.3	44.2	45.4	
	S D	4.795	4.209	4.045	4.182	5.301	4.770	4.757	5.169	7.095	5.758	5.072	5.922	6.603	
	TOTAL OBS	89	157	135	81	93	87	119	100	172	165	123	247	1568	
21-23	MEAN	39.6	38.1	40.9	40.8	47.8	48.3	49.3	49.8	48.1	45.2	44.0	43.3	44.4	
	S D	4.647	4.385	3.864	4.705	5.324	4.356	4.983	5.112	7.213	5.848	4.877	6.184	6.548	
	TOTAL OBS	90	160	135	84	93	87	121	100	168	163	123	253	1577	
ALL HOURS	MEAN	40.6	39.7	43.1	42.9	49.6	50.0	51.6	53.5	50.8	47.3	45.5	45.2	46.5	
	S D	5.099	5.258	4.616	5.571	5.275	5.000	5.497	5.658	7.975	6.633	5.801	6.415	7.265	
	TOTAL OBS	721	1256	1064	682	742	712	938	802	1371	1319	955	1977	12539	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	28.2	30.9	29.8	31.3	32.2	31.6	34.7	37.2	36.6	34.2	31.7	30.4	32.6
	S D	3.782	6.200	4.231	5.447	3.076	2.537	5.777	5.465	7.198	4.624	3.487	4.521	5.678
	TOTAL OBS	82	125	137	88	93	90	118	102	170	145	98	169	1417
03-05	MEAN	27.9	31.4	30.2	32.5	32.2	31.3	34.7	38.1	38.4	35.5	31.4	31.3	33.2
	S D	4.192	5.660	4.252	5.474	2.708	2.871	6.002	5.158	7.778	5.476	3.146	4.744	6.040
	TOTAL OBS	83	122	136	90	93	89	120	102	171	142	99	166	1413
06-08	MEAN	27.9	31.0	30.3	32.4	32.7	32.4	35.5	37.9	37.5	34.9	31.7	31.1	33.2
	S D	4.409	5.360	4.452	4.801	2.676	2.860	6.161	4.739	7.602	4.725	3.279	4.531	5.773
	TOTAL OBS	82	124	132	88	93	90	119	99	168	142	99	159	1395
09-11	MEAN	31.2	34.2	33.5	34.6	36.1	35.3	38.4	40.7	41.1	38.2	34.8	33.6	36.2
	S D	3.946	5.292	4.106	4.904	2.885	2.748	6.097	4.685	7.468	5.050	3.236	4.928	5.832
	TOTAL OBS	83	118	129	86	92	90	111	98	175	142	99	163	1386
12-14	MEAN	32.4	36.2	36.1	35.5	37.9	36.3	39.8	42.8	42.7	40.1	36.9	34.8	37.9
	S D	4.018	5.531	3.993	4.702	3.860	3.689	6.532	4.165	7.844	5.158	3.006	5.157	6.032
	TOTAL OBS	82	121	126	84	93	90	116	98	172	143	100	160	1385
15-17	MEAN	30.5	35.5	35.2	35.1	36.5	35.6	38.1	41.9	41.4	38.2	35.3	33.5	36.7
	S D	3.718	5.555	4.414	4.607	4.048	3.539	6.023	4.264	7.255	5.038	3.130	5.008	5.896
	TOTAL OBS	85	120	131	81	92	89	114	103	175	143	103	163	1399
18-20	MEAN	28.3	32.6	31.4	32.9	33.4	32.8	35.7	38.1	37.4	35.1	32.1	31.1	33.6
	S D	2.953	6.027	4.622	4.473	3.468	3.068	6.023	4.405	6.837	5.387	3.055	4.738	5.611
	TOTAL OBS	83	119	135	81	93	87	119	100	172	145	105	162	1401
21-23	MEAN	27.8	31.7	30.1	31.9	32.2	32.0	34.9	37.1	36.1	34.7	31.8	30.3	32.7
	S D	3.552	5.848	4.326	4.943	3.507	2.254	5.843	5.503	6.992	5.320	3.452	4.594	5.623
	TOTAL OBS	84	120	133	84	93	87	121	100	168	145	105	169	1409
ALL HOURS	MEAN	29.3	32.9	32.0	33.2	34.1	33.4	36.5	39.2	38.9	36.4	33.2	32.0	34.5
	S D	4.180	6.006	4.891	5.135	3.952	3.505	6.317	5.243	7.720	5.473	3.767	5.025	6.129
	TOTAL OBS	664	969	1059	682	742	712	938	802	1371	1147	808	1311	11205

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-80

STATION	STATION NAME												YEARS
HRS IL ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN -0.7 S D 21.375 TOTAL OBS 82	11.6 24.303 125	5.0 21.138 137	10.5 21.533 88	2.6 13.799 93	-9.8 22.054 90	6.4 20.517 118	14.8 17.421 102	18.8 16.606 170	15.5 11.628 145	8.8 13.585 98	8.0 16.660 169	8.7 19.658 1417
03-05	MEAN 2.7 S D 18.690 TOTAL OBS 83	11.9 24.123 122	5.7 19.507 136	12.5 23.139 90	3.2 15.774 93	-5.8 20.730 89	6.4 19.682 120	13.9 17.555 102	21.4 17.063 171	17.2 11.507 142	7.3 14.210 99	10.9 16.252 166	10.0 19.414 1413
06-08	MEAN 3.1 S D 18.534 TOTAL OBS 82	11.8 23.658 124	4.8 20.494 132	10.6 22.092 88	.8 16.090 93	-6.2 20.461 90	6.6 20.270 119	14.3 15.778 99	20.2 16.038 168	17.0 10.616 142	6.6 15.372 99	9.6 16.014 159	9.3 19.219 1395
09-11	MEAN 11.8 S D 15.604 TOTAL OBS 83	17.7 21.922 118	12.5 16.947 129	15.2 19.755 86	7.7 15.290 92	-0.8 18.754 90	11.6 20.268 111	19.5 15.066 98	25.1 15.130 175	21.9 9.710 142	11.9 11.943 99	12.7 15.956 163	14.8 17.699 1386
12-14	MEAN 13.2 S D 13.551 TOTAL OBS 82	21.1 20.485 121	17.8 15.539 126	18.3 16.189 84	14.1 16.948 93	3.4 19.651 90	14.3 21.271 116	25.9 11.021 98	27.9 15.945 172	24.4 10.099 143	16.5 10.488 100	15.2 14.602 150	18.5 15.989 1385
15-17	MEAN 8.8 S D 13.107 TOTAL OBS 85	19.5 22.164 120	17.1 16.194 131	18.5 17.517 81	10.1 17.003 92	2.8 19.454 89	10.7 19.859 114	25.2 11.044 103	26.4 14.655 175	22.6 10.996 143	14.7 10.872 103	13.2 14.363 163	16.7 17.153 1399
18-20	MEAN 3.8 S D 14.754 TOTAL OBS 83	16.1 23.496 119	8.2 20.240 135	14.4 19.342 81	3.4 16.759 93	-4.9 19.978 87	7.3 20.469 119	19.0 13.053 100	19.3 16.097 172	17.6 12.805 145	9.1 12.263 105	10.1 15.212 162	11.2 18.451 1401
21-23	MEAN .7 S D 18.203 TOTAL OBS 84	13.1 24.811 120	4.9 21.570 133	12.5 21.246 84	.6 15.622 93	-7.8 22.048 87	7.0 20.569 121	17.0 16.472 100	16.7 16.925 168	16.8 12.687 145	8.6 12.962 105	8.5 15.431 169	9.1 19.383 1409
ALL HOURS	MEAN 5.4 S D 17.522 TOTAL OBS 664	15.3 23.358 969	9.4 19.746 1059	14.0 20.391 682	5.3 16.505 742	-3.6 20.248 712	8.7 20.487 938	18.7 15.473 802	22.0 16.462 1371	19.1 11.693 1147	10.5 13.166 808	11.0 15.722 1311	12.3 18.867 11205

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001

MAUI OPTICAL SITE HI NORTH TOWER

79-80

JAN

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	69.5	42.7	31.7	25.6	17.1	13.4	9.8	7.3	6.1	27.8	82
	03-05	75.9	51.8	38.6	26.5	21.7	16.9	13.3	7.2	4.8	30.6	83
	06-08	76.8	57.3	37.8	24.4	15.9	13.4	12.2	8.5	4.9	30.4	82
	09-11	85.5	61.4	49.4	36.1	27.7	24.1	18.1	14.5	8.4	38.5	83
	12-14	90.2	64.6	51.2	32.9	22.0	17.1	14.6	9.8	4.9	36.3	82
	15-17	87.1	55.3	38.8	28.2	18.8	15.3	9.4	7.1	3.5	32.1	85
	18-20	79.5	43.4	27.7	26.5	20.5	15.7	12.0	8.4	7.2	29.9	83
	21-23	71.4	44.0	27.4	22.6	21.4	17.9	10.7	8.3	6.0	28.2	84
TOTALS		79.5	52.6	37.8	27.9	20.6	16.7	12.5	8.9	5.7	31.7	664

USAFETAC

FORM  
JUL 64

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2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79-80  
PERIOD

FEB  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	76.0	64.8	59.2	56.0	47.2	40.0	35.2	32.8	25.6	49.1	125
	03-05	73.0	60.7	59.0	55.7	52.5	44.3	40.2	32.0	25.4	49.4	122
	06-08	74.2	63.7	59.7	55.6	49.2	44.4	40.3	35.5	18.5	49.9	124
	09-11	80.5	64.4	64.4	57.6	52.5	48.3	45.8	36.4	18.6	53.3	118
	12-14	90.1	71.1	66.9	58.7	46.3	42.1	38.8	32.2	17.4	52.0	121
	15-17	80.8	71.7	65.0	55.8	49.2	49.2	43.3	35.8	19.2	52.9	120
	18-20	82.4	72.3	62.2	57.1	52.9	51.3	45.4	37.0	22.7	53.8	119
	21-23	75.0	67.5	62.5	59.2	52.5	45.8	40.0	33.3	18.3	50.9	120
TOTALS		79.0	67.0	62.4	57.0	50.3	45.7	41.1	34.4	20.7	51.4	969

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION

79-80  
PERIOD

MAR  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	80.3	54.7	37.2	24.1	22.6	18.2	14.6	13.9	9.5	32.8	137
	03-05	83.8	54.4	31.6	24.3	19.1	16.2	14.0	14.0	11.8	31.9	136
	06-08	81.1	51.5	31.1	23.5	18.9	15.2	15.2	14.4	7.6	31.1	132
	09-11	88.4	59.7	36.4	22.5	20.9	20.9	20.2	17.8	5.4	34.8	129
	12-14	89.7	69.0	52.4	34.1	24.6	18.3	15.9	13.5	4.8	37.9	126
	15-17	90.8	64.1	55.0	35.1	27.5	20.6	18.3	13.0	7.6	38.9	131
	18-20	80.0	55.6	40.7	29.6	24.4	20.7	18.5	17.8	8.9	34.9	135
	21-23	76.7	53.4	36.8	26.3	21.1	18.8	18.0	14.3	11.3	32.9	133
TOTALS		83.9	57.8	40.2	27.4	22.4	18.6	16.8	14.8	8.4	34.4	1059



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER

79

APR

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	78.4	54.5	54.5	48.9	40.9	33.0	29.5	17.0	11.4	42.3	88
	03-05	74.4	63.3	52.2	47.8	37.8	35.6	33.3	31.1	27.8	46.4	90
	06-08	75.0	65.9	54.5	40.9	34.1	26.1	22.7	18.2	12.5	40.5	88
	09-11	81.4	76.7	55.8	37.2	31.4	27.9	24.4	16.3	8.1	41.3	86
	12-14	92.9	72.6	54.8	38.1	31.0	22.6	20.2	19.0	11.9	41.9	84
	15-17	88.9	71.6	66.7	46.9	34.6	27.2	27.2	22.2	9.9	45.0	81
	18-20	80.2	66.7	55.6	46.9	38.3	32.1	32.1	25.9	11.1	44.3	81
	21-23	77.4	60.7	59.5	47.6	40.5	36.9	33.3	27.4	11.9	45.3	84
TOTALS		81.1	66.5	56.7	44.3	36.1	30.2	27.8	22.1	13.1	43.4	682

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001

MAUI OPTICAL SITE HI NORTH TOWER

79

MAY

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	72.0	34.4	17.2	4.3	2.2	2.2	1.1	1.1		18.9	93
	03-05	73.1	41.9	20.4	5.4	2.2	2.2				20.2	93
	06-08	65.6	28.0	12.9	4.3	3.2	2.2				17.2	93
	09-11	79.3	38.0	16.3	5.4						19.3	92
	12-14	82.8	58.1	38.7	15.1	6.5	1.1	1.1			25.7	93
	15-17	79.3	45.7	29.3	12.0	3.3	2.2				22.4	92
	18-20	67.7	32.3	19.4	10.8	7.5	4.3	2.2	1.1	1.1	20.2	93
	21-23	67.7	26.9	18.3	5.4	3.2	1.1	1.1			17.6	93
TOTALS		73.4	38.2	21.6	7.8	3.5	1.9	.7	.3	.1	20.2	742

USAFETAC

FORM  
JUL 64

0-87-5 (DL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

79

PERIOD

JUN  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	28.9	23.3	18.9	13.3	8.9	2.2				14.3	90
	03-05	36.0	29.2	18.0	14.6	11.2	9.0	4.5	1.1		17.5	89
	06-08	37.8	27.8	15.6	10.0	6.7	5.6	3.3			15.6	90
	09-11	45.6	26.7	20.0	12.2	3.3	2.2				16.3	90
	12-14	53.3	40.0	28.9	10.0	1.1					18.5	90
	15-17	51.7	40.4	22.5	9.0	3.4					18.6	89
	18-20	40.2	27.6	17.2	14.9	3.4	3.4	3.4	1.1		16.2	87
	21-23	31.0	26.4	20.7	12.6	8.0	3.4	2.3	1.1		15.6	87
TOTALS		40.6	30.2	20.2	12.1	5.8	3.2	1.7	.4		16.6	712

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001  
STATION

MAUI OPTICAL SITE HI NORTH TOWER  
STATION NAME

79-80  
PERIOD

JUL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	58.5	39.8	33.1	21.2	16.9	10.2	4.2			24.3	118
	03-05	56.7	37.5	28.3	22.5	16.7	14.2	3.3			23.8	120
	06-08	53.8	37.0	26.1	21.8	16.8	12.6	5.9			23.4	119
	09-11	64.0	43.2	30.6	22.5	15.3	11.7	6.3	2.7	1.8	25.5	111
	12-14	62.1	46.6	38.8	30.2	14.7	12.9	5.2	.9		27.1	116
	15-17	58.8	45.6	32.5	19.3	8.8	6.1	.9			23.1	114
	18-20	58.0	42.9	29.4	20.2	17.6	10.1	4.2	.8		23.9	119
	21-23	60.3	45.5	33.9	23.1	13.2	8.3	1.7			24.5	121
TOTALS		59.0	42.3	31.6	22.6	15.0	10.8	4.0	.6	.2	24.5	938

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001

MAUI OPTICAL SITE HI NORTH TOWER

79-80

AUG

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	76.5	59.6	41.2	28.4	15.7	7.8	4.9			29.6	102
	03-05	75.5	56.9	31.4	20.6	13.7	5.9	4.9	1.0		26.5	102
	06-08	79.8	58.6	35.4	20.2	9.1	4.0				26.1	99
	09-11	84.7	62.2	40.8	20.4	9.2	5.1	4.1	4.1	2.0	29.0	98
	12-14	93.9	82.7	50.0	26.5	12.2	5.1	3.1	2.0	1.0	33.4	98
	15-17	95.1	83.5	57.3	28.2	14.6	4.9	1.9			33.8	103
	18-20	89.0	72.0	44.0	31.0	17.0	7.0	3.0			32.2	100
	21-23	82.0	67.0	45.0	35.0	23.0	10.0	5.0			33.2	100
TOTALS		84.6	67.8	43.1	26.3	14.3	6.2	3.4	.9	.4	30.5	602

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER

79-80

SEP

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	91.8	69.4	50.6	41.2	30.6	18.2	9.4	3.5		37.0	170
	03-05	89.9	76.0	58.5	42.7	32.7	17.0	9.4	4.7	1.8	39.2	171
	06-08	91.1	75.6	55.4	40.5	29.8	13.7	6.5	1.2	.6	35.9	168
	09-11	97.1	74.9	60.0	45.7	25.7	14.9				37.5	175
	12-14	95.9	80.8	64.5	45.9	31.4	18.6	2.9	.6		40.0	172
	15-17	97.1	81.1	59.4	49.1	27.4	15.4	2.0	.6		39.2	175
	18-20	91.9	72.1	51.7	39.5	22.7	14.0	4.7	2.3	.6	35.6	172
	21-23	88.1	72.6	48.2	31.5	21.4	12.5	6.0	1.2	.6	33.8	168
TOTALS		92.7	75.3	56.0	42.0	27.7	15.5	5.2	1.8	.5	37.4	1371

USAFETAC

FORM  
JUL 64

0-97.5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001

MAUI OPTICAL SITE HI NORTH TOWER

79-80

OCT

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONJH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	93.8	74.5	55.9	23.4	9.0	6.9	2.1			32.7	145
	03-05	91.5	76.8	65.5	23.2	10.6	6.3	1.4			33.2	142
	06-08	95.1	78.2	62.7	24.6	9.2	7.0	1.4			33.4	142
	09-11	99.3	83.1	66.9	28.2	12.0	7.7	5.6			35.4	142
	12-14	100.0	86.7	61.5	28.7	14.0	9.1	4.9			36.0	143
	15-17	98.6	85.3	65.0	29.4	16.8	12.6	6.3	1.4		37.2	143
	18-20	94.5	77.2	64.1	27.6	17.2	13.1	2.8			35.3	145
	21-23	95.2	75.9	57.9	27.6	15.9	13.1	3.4	.7	.7	34.6	145
TOTALS		96.0	79.7	62.4	26.6	13.1	9.5	3.5	.3	.1	34.7	1147

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER 78-79 NOV  
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	92.9	39.8	33.7	26.5	21.4	11.2	5.1	3.1		28.9	98
	03-05	83.8	39.4	30.3	23.2	19.2	14.1	5.1	3.0		27.8	99
	06-08	62.8	38.4	31.3	24.2	16.2	12.1	6.1	3.0	1.0	27.1	99
	09-11	92.9	36.4	31.3	23.2	18.2	9.1	1.0			27.1	99
	12-14	96.0	51.0	40.0	26.0	17.0	8.0	2.0			30.1	100
	15-17	96.1	52.4	41.7	28.2	19.4	7.8	1.9			30.4	103
	18-20	91.4	43.8	29.5	24.8	17.1	9.5	2.9			27.7	105
	21-23	87.6	42.9	31.4	23.8	17.1	11.4	3.8			27.7	105
TOTALS		90.4	43.0	33.7	25.0	18.2	10.4	3.5	1.1	.1	28.4	808



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER  
STATION STATION NAME

78-79  
PERIOD

DEC  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OAS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	82.8	56.2	42.6	29.0	23.1	15.4	9.5	7.1	4.7	32.6	169
	03-05	86.7	60.8	47.0	39.8	29.5	15.7	9.0	7.2	7.2	35.6	166
	06-08	84.3	59.7	45.3	33.3	23.9	11.9	6.3	5.0	3.8	33.0	159
	09-11	88.3	60.1	42.3	31.9	22.1	9.2	7.4	6.7	5.5	33.2	163
	12-14	89.4	68.1	47.5	32.5	18.1	10.0	6.9	4.4	3.1	33.5	160
	15-17	92.6	63.8	41.1	32.5	20.9	9.2	8.0	5.5	2.5	33.1	163
	18-20	88.3	59.3	40.1	30.9	22.8	16.0	8.0	6.2	2.5	33.3	162
	21-23	88.8	58.0	40.2	27.8	21.9	14.2	8.9	5.9	2.4	32.6	169
TOTALS		87.7	60.8	43.3	32.2	22.8	12.7	8.0	6.0	4.0	33.4	1311

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## RELATIVE HUMIDITY

00001 MAUI OPTICAL SITE HI NORTH TOWER

79-80

ALL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	79.5	52.6	37.8	27.9	20.5	16.7	12.5	8.9	5.7	31.7	664
FEB		79.0	67.0	62.4	57.0	50.3	45.7	41.1	34.4	20.7	51.4	969
MAR		83.9	57.8	40.2	27.4	22.4	18.6	16.8	14.8	8.4	34.4	1059
APR		81.1	66.5	56.7	44.3	36.1	30.2	27.8	22.1	13.1	43.4	682
MAY		73.4	38.2	21.6	7.8	3.5	1.9	.7	.3	.1	20.2	742
JUN		40.6	30.2	20.2	12.1	5.8	3.2	1.7	.4		16.6	712
JUL		59.0	42.3	31.6	22.6	15.0	10.8	4.0	.6	.2	24.5	938
AUG		84.6	67.8	43.1	26.3	14.3	6.2	3.4	.9	.4	30.5	802
SEP		92.7	75.3	56.0	42.0	27.7	15.5	5.2	1.8	.5	37.4	1371
OCT		96.0	79.7	62.4	26.6	13.1	9.5	3.5	.3	.1	34.7	1147
NOV		90.4	43.0	33.7	25.0	18.2	10.4	3.5	1.1	.1	28.4	808
DEC		87.7	60.8	43.3	32.2	22.8	12.7	8.0	6.0	4.0	33.4	1311
TOTALS		79.0	56.8	42.4	29.3	20.8	15.1	10.7	7.6	4.4	32.2	11205

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PART F

PRESSURE SUMMARY

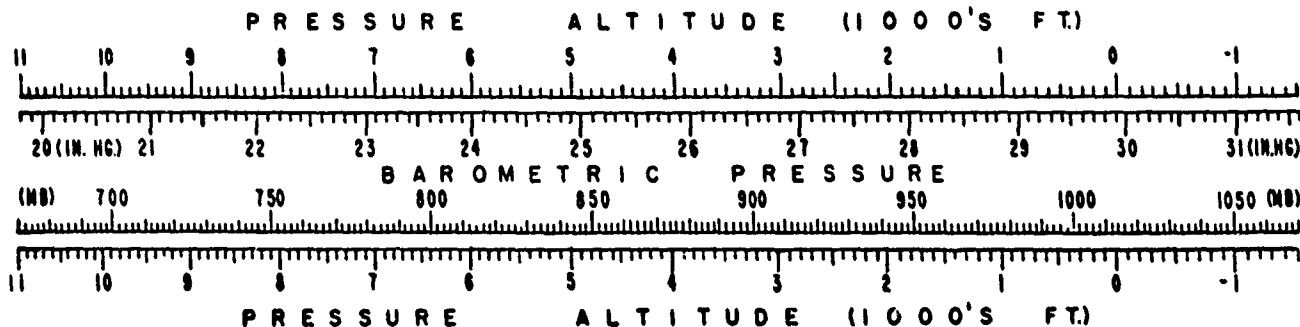
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
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## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

00001 MAUI OPTICAL SITE HI NORTH TOWER 77-80

STATION	STATION NAME	YEARS												
HRS II STY		JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	20.868	20.877	20.901	20.876	20.927	20.935	20.991	20.991	20.983	20.975	20.927	20.914	20.934
	S D	.061	.081	.069	.059	.037	.035	.057	.043	.049	.065	.073	.086	.076
	TOTAL OBS	61	80	75	56	62	49	71	90	87	86	58	85	860
03	MEAN	20.845	20.851	20.870	20.841	20.893	20.906	20.964	20.961	20.954	20.947	20.904	20.890	20.906
	S D	.063	.081	.072	.060	.038	.033	.059	.044	.049	.067	.072	.090	.077
	TOTAL OBS	60	78	74	56	62	49	72	91	87	85	58	84	856
06	MEAN	20.839	20.846	20.864	20.840	20.890	20.903	20.959	20.957	20.951	20.946	20.901	20.886	20.903
	S D	.064	.078	.070	.061	.038	.036	.058	.043	.047	.065	.074	.091	.077
	TOTAL OBS	59	79	73	56	62	49	71	90	87	85	58	84	853
09	MEAN	20.873	20.876	20.900	20.873	20.922	20.930	20.980	20.985	20.980	20.978	20.936	20.920	20.934
	S D	.062	.080	.069	.062	.038	.035	.066	.043	.045	.065	.070	.089	.076
	TOTAL OBS	61	78	73	53	61	49	71	89	89	85	58	82	849
12	MEAN	20.873	20.883	20.903	20.877	20.927	20.933	20.992	20.992	20.985	20.976	20.926	20.916	20.937
	S D	.062	.083	.068	.063	.038	.034	.058	.043	.047	.066	.074	.089	.077
	TOTAL OBS	59	79	75	52	61	48	73	92	88	86	60	82	855
15	MEAN	20.831	20.841	20.866	20.851	20.905	20.918	20.977	20.970	20.953	20.941	20.890	20.876	20.905
	S D	.060	.084	.069	.060	.037	.032	.061	.045	.048	.065	.072	.089	.080
	TOTAL OBS	61	80	75	54	62	48	73	90	87	87	61	82	860
19	MEAN	20.843	20.847	20.865	20.843	20.898	20.908	20.967	20.962	20.949	20.946	20.899	20.883	20.905
	S D	.062	.081	.069	.064	.037	.032	.060	.044	.045	.065	.069	.088	.077
	TOTAL OBS	61	80	74	54	61	49	73	91	89	86	61	83	862
21	MEAN	20.870	20.876	20.897	20.873	20.920	20.929	20.984	20.983	20.979	20.974	20.927	20.909	20.931
	S D	.060	.078	.067	.061	.038	.036	.058	.044	.047	.068	.069	.088	.076
	TOTAL OBS	61	80	74	54	61	48	72	91	87	85	61	86	860
ALL HOURS	MEAN	20.855	20.862	20.883	20.859	20.910	20.920	20.977	20.975	20.967	20.960	20.914	20.899	20.919
	S D	.063	.082	.071	.063	.040	.036	.060	.046	.049	.067	.073	.090	.078
	TOTAL OBS	483	634	593	435	492	389	576	724	701	685	475	668	6855

USAFETAC FORM 0-89.5 (OLA)

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PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in terms of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARIABLE.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITON

JAN  
MONTH  
0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.3	2.3	.6	.6	.6					9.7	10.5
NNE		2.9	3.4	4.0	1.7	1.1						13.1	12.2
NE		.6	2.9	5.1	1.1	.6						10.3	13.2
ENE	1.1	.6		1.7	1.1							4.6	10.6
E		.6	1.1	4.6	.6							6.9	11.9
ESE		.6	1.7	1.1								3.4	9.2
SE		.6	1.7	1.1	.6							4.0	10.3
SSE		.6		.6	.6	.6						2.3	14.8
S	.6			.6	1.7							2.9	14.8
SSW	.6	.6	1.1	4.6	2.9	.6						10.3	13.9
SW		1.1	.6		1.7	1.1	.6					5.1	17.2
WSW	.6	1.1	.6	1.1		.6						4.0	9.4
W	1.1	1.7	1.7	1.1	1.1							6.9	9.5
WNW	.6	1.1		1.1	.6							3.4	9.5
NW	1.1	2.9	1.1	1.7	1.1							8.0	9.1
NNW		.6	1.1	2.3	.6		.6					5.1	13.6
VARBL													
CALM													
	6.9	17.7	19.4	33.1	16.0	5.1	1.7					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 175

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	4.1	1.7	1.2	.6	.6						8.7	9.0
NNE	.6	1.7	1.7	2.9	1.7	1.7						10.5	13.2
NE	1.2	.6	4.1	4.1	1.2	1.7						12.8	12.5
ENE			1.2	1.7	.6							3.5	12.8
E			.6	4.1	1.2	.6						5.4	14.9
ESE		1.7		1.2								2.9	8.2
SE		1.2	1.2									2.3	5.5
SSE		1.2	1.2		1.2	.6	.6					4.7	15.0
S		2.3				.6						2.9	9.0
SSW		2.3		4.7	2.3							9.3	13.6
SW		2.9		2.9	2.9	1.2	.6					10.5	15.3
WSW	.6	1.2	.6	.6	.6							3.5	10.0
W	1.7	.6		1.7	1.2	.6						5.8	11.6
WNW	1.2	.6			1.2							2.9	9.6
NW		.6	1.2	.6	.6							2.9	11.4
NNW	.6	3.5	2.3	1.7	1.2	1.2						10.5	10.9
VARBL													
CALM													
	6.4	24.4	15.7	27.3	16.3	8.7	1.2					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
0600-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		3.0	1.2	.6	1.2	1.2						7.3	12.5
NNE	.6	.6	4.2	2.4	1.8	.6	1.2	1.2				12.7	15.5
NE		1.8	3.0	4.2	.6	1.2						10.9	11.8
ENE				2.4	.6	1.2						4.2	16.9
E		.6	.6	1.2	1.2							3.6	13.2
ESE		1.2	2.4	3.6	.6							7.9	10.4
SE			2.4									2.4	7.8
SSE					.6	1.2		1.2				3.0	28.6
S			.6	.6	.6							1.8	14.3
SSW	1.2	1.2	1.2	4.8	1.2							9.7	11.5
SW		1.8	1.2	2.4	1.8	1.2	.6					9.1	14.3
WSW	1.2	.6		1.8	.6	1.2						5.5	13.3
W	1.2	1.8		4.2		.6						7.9	10.4
WNW		1.2	1.2	.6								3.0	7.4
NW	.6	1.8	.6	.6	1.2							4.8	9.3
NNW	.6	.6	2.4	1.2	.6	.6						6.1	11.0
VARBL													
CALM													
	5.5	16.4	21.2	30.9	12.7	9.1	1.8	2.4				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 165



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0900-1100  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		2.4	2.9	1.2			.6					7.1	9.9
NNE		1.2	2.9	1.2	.6	1.2	.6					7.6	13.8
NE	.6	1.2	1.8	5.3	1.8		2.4					12.9	15.2
ENE		1.2	3.5	.6		.6						5.9	10.3
E	.6	.6		1.2	.6	.6						3.5	12.7
ESE		1.8	1.2	2.9								5.9	9.6
SE	.6	1.2		1.2								2.9	7.4
SSE	.6					.6	.6	.6		.6		2.9	27.6
S	.6	1.2	.6		1.8							4.1	10.9
SSW	.6	1.2	.6	2.4	1.2							5.9	10.9
SW		2.4	1.8	2.9	2.4	2.4						11.8	13.9
WSW	1.2	1.2	1.8	3.5	1.2							8.8	10.6
W		1.8		.6		.6						2.9	10.4
WNW	1.2		1.2		1.8							4.1	10.4
NW	1.8	1.2	.6	1.8								5.3	6.9
NNW	1.2	.6	1.8	2.9	1.2	.6						8.2	11.5
VARBL													
CALM													
	8.8	18.8	20.6	27.6	12.4	6.5	4.1	.6		.6		100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 170

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JAN  
MONTH  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.8	3.4	.6		.6						8.9	7.8
NNE	.6		2.2	3.4	.6	2.2						8.9	14.2
NE	.6	1.7	2.2	3.9	1.1							9.5	10.5
ENE		1.1	.6	3.9	.6							6.1	12.6
E	.6	1.7	2.8	1.1	.6							6.7	8.8
ESE		.6	2.2	3.9								6.7	11.2
SE			.6									.6	8.0
SSE						.6	1.1					1.7	29.0
S	.6	1.1			1.1		.6					3.4	13.3
SSW	.6	.6		5.6		.6						7.8	12.1
SW	.6	1.1	1.7	3.4	3.4			.6				10.6	14.2
WSW	1.1	1.7	.6	3.9	1.1							8.4	10.7
W	.6	2.2	1.7	1.7	.6							6.7	8.4
WNW		.6	2.2	.6								3.4	9.2
NW	.6	2.8	1.1		.6							5.0	7.1
NNW		1.7	1.1	2.2	.6							5.6	9.3
VARBL													
CALM													
	7.3	19.6	22.9	34.1	10.1	3.9	1.7	.6				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 HAUT OPTICAL SITE HI SOUTH TOWER 78-80 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	2.8	2.2	.6	.6						6.6	11.8
NNE			3.3	4.4	2.2	1.7						11.6	14.9
NE	.6	1.7	1.7	3.3	1.7	.6						9.4	11.9
ENE		1.1	2.2	2.8								6.1	9.9
E		.6	3.3	2.8	.6							7.2	10.8
ESE		1.1	2.2	.6								3.9	7.7
SE			.6									.6	10.0
SSE			.6	1.1			.6	.6				2.8	20.4
S		1.1			.6			.6				2.2	15.5
SSW	1.1	1.1	2.2	2.2	.6	1.7						8.8	11.9
SW	.6	1.1	.6	4.4	.6	1.7	.6					9.4	14.4
WSW	.6		.6	1.1	3.3	1.1						6.6	16.1
W	2.2	.6	.6		1.7							5.0	8.2
WNW	1.7	2.2	2.2		1.1							7.2	7.7
NW		2.2	2.8	2.2	.6							7.7	9.8
NNW	1.7	.6	2.2		.6							5.0	7.0
VARBL													
CALM													
	8.3	13.8	27.6	27.1	13.8	7.2	1.1	1.1				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 181

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	1.6	2.2	.5							5.5	10.8
NNE	.5	.5	2.7	7.1	1.1							12.1	12.2
NE	1.1	.5	2.2	8.8	3.8							16.5	13.1
ENE		1.1	2.2		.5							3.8	9.6
E	.5		3.8	2.7								7.1	9.4
ESE	.5	.5	3.3	.5								4.9	8.3
SE	.5		.5									1.1	6.5
SSE				.5								.5	15.0
S	.5			1.1	.5	1.1	1.1					4.4	20.3
SSW	.5		1.1	1.1	1.1	.5	.5					4.7	15.3
SW		.5	1.6	5.5	1.1	1.6	1.1					11.5	16.0
WSW		.5		2.7								3.3	11.5
W	.5	1.1	.5	2.2		.5						4.9	10.3
WNW	.5	2.2	2.2	2.2	.5							7.7	8.6
NW		2.2	1.1	1.6	.5		.5					6.0	11.6
NNW	.5	.5	2.2	2.2								5.5	10.0
VARB.													
CALM													
	6.6	10.4	25.3	40.7	9.9	3.8	3.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6		1.1	2.8								4.5	10.1
NNE	.6	1.1	3.4	7.3	.6	.6						13.4	11.5
NE		.6	5.0	4.5	1.1	.6						11.7	12.0
ENE		1.1	1.1	2.2	1.1							5.6	12.0
E			2.2	3.9	1.1							7.3	12.9
ESE		.6	2.2	1.7								4.5	9.5
SE		1.1		1.1								2.2	9.3
SSE		.6			.6							1.1	11.0
S				1.1	1.7	.6	.6					3.9	20.4
SSW		.6	1.7	2.8	1.1	1.1						7.3	14.2
SW		1.1	2.2	2.8	1.1	2.2	1.1					10.6	16.5
WSW	.6	.6		2.2	.6	.6						4.5	12.4
W	.6	.6	1.1	1.1		.6						3.9	11.4
WNW	.6	2.2	1.7	1.1	1.1							6.7	8.9
NW	1.1	1.7		1.1								3.9	6.0
NNW	1.1	1.7	.6	3.4	1.7	.6						8.9	11.8
VARBL													
CALM													
	5.0	13.4	22.3	39.1	11.7	6.7	1.7					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 179

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.9	2.1	1.6	.4	.4	.1					7.3	10.2
NNE	.4	1.0	3.0	4.1	1.3	1.1	.2	.1				11.3	13.3
NE	.5	1.1	2.9	4.9	1.6	.6	.3					11.8	12.6
ENE	.1	.8	1.4	1.9	.6	.2						5.0	11.7
E	.2	.5	1.9	2.7	.7	.1						6.1	11.6
ESE	.1	1.0	1.9	1.9	.1							5.0	9.5
SE	.1	.5	.9	.4	.1							2.0	8.2
SSE	.1	.3	.2	.3	.4	.4	.4	.3		.1		2.4	20.8
S	.3	.7	.1	.4	1.0	.3	.3	.1				3.2	15.2
SSW	.6	.9	1.1	3.5	1.3	.6	.1					8.0	12.9
SW	.1	1.5	1.2	3.1	1.9	1.4	.6	.1				9.8	15.1
WSW	.7	.9	.5	2.1	.9	.4						5.6	11.9
W	1.0	1.3	.7	1.6	.6	.4						5.5	9.9
WNW	.7	1.3	1.4	.7	.8							4.9	8.8
NW	.6	1.9	1.1	1.2	.6		.1					5.5	9.0
NNW	.7	1.2	1.7	2.0	.8	.4	.1					6.8	10.8
VARBL													
CALM													
	6.8	16.7	22.0	32.6	12.8	6.3	2.1	.6		.1		100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 1403

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80

STATION

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

0000-0200

HOURE (L.S.T.)

CONDTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.9	3.0	.9	.9	.9						6.8	10.9
NNE	.4	.9	1.7	1.7	.4	.9						6.0	11.6
NE		1.3	1.7	6.4	1.3							10.7	12.2
ENE	.4	2.1	2.6	1.3	.4							6.8	8.9
E		2.6	2.6	1.3	1.7							8.1	9.7
ESE	.4	1.3	1.3	2.6	3.0			.4				9.0	13.7
SE		1.7	1.7	1.3	.4							5.1	9.8
SSE		1.7	.9	.4	1.3	.4	.9					5.6	14.2
S	.4		1.3	.4	1.7							3.8	12.7
SSW				1.3	1.3	.9						3.4	17.5
SW		.4		.9	.9	.4		.4				3.0	18.7
WSW			1.3	1.3	1.3	1.3	.4	.4				6.0	18.4
W			.4	.4	1.3	2.1						4.3	20.2
WNW	.4	.9	2.1	1.3	.9	.4	.9					6.8	13.3
NW	.4	2.6	1.3	.9	.4							5.6	7.6
NNW	.9	3.8	3.0	.9			.4					9.0	7.8
VARBL													
CALM													
	3.8	20.1	24.8	23.1	17.1	7.3	2.6	1.3				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

234

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
0300-0500  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.7	.4	.9	.4	.4					5.7	11.9
NNE		.9	1.3	.4	.9	.4						3.9	12.8
NE	.4	.9	4.8	3.0	1.3	.9						11.3	11.7
ENE		.9	3.0	1.3								5.2	8.7
E	.9	1.3	1.3	1.3	.4							5.2	8.9
ESE	1.3	.9	4.3	2.2	2.2							10.9	9.9
SE	.4	.9	.9	1.3	.4	.4		.9				5.2	15.0
SSE		.9	2.6	.4	.4	.9						5.2	11.8
S	.9	.9		.9	.9	.9	.9					5.2	16.1
SSW		.9			.4		.4					1.7	15.5
SW	.4		1.7	2.2		.4		.4				5.2	13.3
WSW			.9	.9	3.0							4.8	15.8
W	.9	.9	1.3	1.7	2.2	2.2						9.1	15.1
WNW	.4	.9	2.6	.4		.9						5.2	10.5
NW	.9	2.6	3.0	.9	.4	.4						8.3	8.6
NNW		1.3	3.5	1.3	.9	.4	.4					7.8	11.5
VARBL													
CALM													
	6.5	15.7	33.0	18.7	14.3	8.3	2.2	1.3				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 230



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80

STATION

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.4		3.0	.9								4.3	9.3
NNE		1.7	1.7	2.6								6.1	9.3
NE		.9	4.3	4.3	.4							10.0	10.6
ENE	.9	.4	2.6	2.2	.9							6.9	11.0
E			2.2	1.3								3.5	10.5
ESE		1.7	1.3	2.2	.9	.9						6.9	12.4
SE		.9	3.5	.9	1.3	1.7						8.2	13.5
SSE	.4	.4	1.3	.9	.4	.9						4.3	12.7
S		.4		.9	1.3	.4	.4					3.5	18.0
SSW		1.3	.9	.4	.4	.4	.9					4.3	14.8
SW	.4	.4	1.3	1.7	.9	.4		.9				6.1	15.6
WSW		.9		2.2	1.3	.4	.4					5.2	15.9
W			1.3	1.7	3.9	1.3	1.3					9.5	18.5
WNW		2.2	1.3	1.3								4.8	7.6
NW		2.6	.9	3.0	.4			.4				7.4	11.0
NNW	.4	.4	3.0	3.9		.9		.4				9.1	12.5
VARBL													
CALM													
	2.6	14.3	28.6	30.3	12.1	7.4	3.0	1.7				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS

231

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

FEB.  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	2.6	2.1	.4							6.0	10.2
NNE	.4	.9	1.7	3.9								6.9	10.6
NE	.9	1.7	4.3	3.4								10.3	8.9
ENE	.4		1.3	.9	1.7							4.3	12.5
E		2.1	.9	2.1	.9							6.0	10.4
ESE	.4	.4	1.7	2.1	.9	.4						6.0	13.0
SE			2.6	2.6	.9	.9	.4					7.3	13.9
SSE			2.6	1.7		.9						5.2	12.8
S			2.6	2.1	.4	.9		.4				6.4	14.2
SSW	.4	1.7	.9	.9		.4	1.3	.4				6.0	16.1
SW	.4		.4	1.7		.4	.4	.9	.4			4.7	20.7
WSW	.4	.4	.4	2.1	2.1	1.3	.9					7.7	17.4
W	.4	.9	.9	1.3	1.7	1.3	.4	.9				7.7	17.6
WNW			1.3	1.7	.9							3.9	12.6
NW		3.0	1.3	3.0	.4		.4					8.2	10.5
NNW		1.3	.9	.4	.9							3.4	10.1
VARBL													
CALM													
	3.9	13.3	26.2	32.2	11.2	6.4	3.9	2.6	.4			100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

233

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.8	2.9	.8	.8		.4					5.9	11.0
NNE		2.1	2.9	.4		.4						5.9	8.6
NE	.8	2.9	2.1	1.7	1.3							8.8	9.1
ENE	.4	2.1	2.5	1.7	.4							7.1	8.8
E		.8	.4	.4								1.7	7.3
ESE		1.7	2.1	2.5								6.3	9.3
SE	.8	2.1	.4	.8	.4							4.6	7.2
SSE		.4	.4	2.5	2.5	.4	.4					6.7	16.1
S	.4	.8	.8	2.5	.8		.4					5.9	12.0
SSW	1.3	1.7		.8	.4	.4	.4					5.0	10.8
SW		1.3	2.5	.8	1.3		.4		.4			6.7	13.7
WSW		.8	1.7	2.1	2.1	1.7	1.3	.4				10.1	17.8
W		1.3	1.7	.8	2.5	.8	.8					8.0	15.1
WNW	.4	2.5	2.1	1.3	.4	.8						7.6	9.8
NW		.8	1.3	1.3								3.4	9.5
NNW	.4	1.3	1.7	.8	1.7	.4						6.3	11.8
VARBL													
CALM													
	4.6	23.5	25.6	21.4	14.7	5.0	4.2	.4	.4			100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 238

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4	2.5	2.1	.4	.4						5.9	11.3
NNE		2.1	2.5	1.3	.8			.4				7.1	11.1
NE	.4	1.3	3.3	2.1	.8							7.9	9.7
ENE		.8	2.5	.4	.4							4.2	9.4
E	.8	.8	1.3	.8	.4	.4						4.6	10.4
ESE	.4	.8	1.7	2.9	.8							6.7	10.7
SE	.4	.8	1.3	2.1			.4					5.0	11.2
SSE			1.7	2.5		.4						4.6	13.2
S		.8	.8	.8	.4	.4	.8					4.2	15.6
SSW	.4	2.1	1.7	.8	1.3	.4						6.7	10.3
SW			1.3	1.7	1.3	.4	.4					5.0	15.9
WSW	.4	.8	1.3	2.5	.8	.8	.4	.4	.4			7.9	16.4
W	.4	1.7	1.7	1.3	.8	2.1						7.9	13.9
WNW		1.3	2.1	2.1	.4	1.7						7.5	13.4
NW	.8	.8	.8	4.2	.4		.4					7.5	11.8
NNW	.4	1.3	2.9	1.3	1.3							7.1	10.4
VARBL													
CALM													
	4.6	15.9	29.3	28.9	10.5	7.1	2.5	.8	.4			100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

239

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HT SOUTH TOWER 78-80

STATION

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	2.9	.8	1.7							7.1	10.8
NNE	.4	1.7	3.7	2.9								8.7	9.2
NE		.8	3.3	4.2	.4							8.7	11.0
ENE	.4	.4	1.2	3.3	.4							5.8	11.5
E		.4	3.3	1.7								5.4	9.4
ESE		.8	.8	4.2		.4						6.2	12.1
SE	1.2	1.2		1.7	.8	.4						5.4	10.1
SSE	.4	.8	1.2	1.2								3.7	9.1
S	.8	.4	1.7	1.7	1.7	1.2						7.5	13.8
SSW	.4	.8	.4	2.5	.4	1.7						6.2	14.1
SW		.4	.4	1.2	.8	.4						3.3	14.4
WSW		.4	1.2	.4	1.2	1.7		.4				5.4	17.8
W		.4	.8	.4	1.2	2.1	1.2					6.2	20.2
WNW		.4	.8	1.2	1.2	.4						4.2	13.2
NW	.8	1.7	2.1	2.1	.8	.8						8.3	10.7
NNW		.8	2.1	3.3		.4	.8					7.5	13.3
VARBL													
CALM													
	4.6	13.3	26.2	32.9	10.8	9.6	2.1	.4				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

240

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002

MAUI OPTICAL SITE HI SOUTH TOWER

78-80

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.M.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.3	3.4	2.1	.4		.4					7.6	10.7
NNE		1.7	2.5	2.5	.4	1.3	.8					9.3	14.0
NE	.4	.8	3.0	4.7	.8	.4						10.2	11.6
ENE	.4	1.3	4.2	2.1								8.1	8.7
E		.8	3.0	1.3	1.3							6.4	10.9
ESE		.8	2.5	3.4	1.3	.8						8.9	12.8
SE		1.3	1.3	1.7	.4							4.7	7.9
SSE			1.3	.8	1.7	.8						4.7	15.5
S	.2			1.7	1.3	.4						4.2	14.0
SSW	.8	1.3	.4	1.7	2.1							6.4	11.9
SW	.4	.4	.4	1.3	1.3		.4	.4				4.7	16.5
WSW	.4		.8		2.5	1.3	.4					5.5	18.6
W		.8	1.7	.4	.8	.4						4.2	11.1
WNW		1.3	1.3	.4	.4			.4				3.8	12.6
NW		1.3	1.3	2.1	.8	.8	.8					7.2	14.8
NNW	.4	.4	1.3	.8	1.3							4.2	12.3
VARBL													
CALM													
	3.8	13.6	28.4	27.1	16.9	6.4	3.0	.8				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS

236

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80

STATION

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER  
CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	2.8	1.3	.7	.2	.2					6.2	10.8
NNE	.2	1.5	2.3	2.0	.3	.4	.1	.1				6.8	10.9
NE	.4	1.3	3.3	3.7	.8	.2						9.7	10.7
ENE	.4	1.0	2.5	1.6	.5							6.1	9.8
E	.2	1.1	1.9	1.3	.6	.1						5.1	9.9
ESE	.3	1.1	2.0	2.8	1.1	.3		.1				7.6	11.7
SE	.4	1.1	1.4	1.5	.6	.4	.1	.1				5.7	11.6
SSE	.1	.5	1.5	1.3	.8	.6	.2					5.0	13.4
S	.4	.4	.9	1.4	1.1	.5	.3	.1				5.1	14.3
SSW	.4	1.2	.5	1.1	.8	.5	.4	.1				5.0	13.4
SW	.2	.4	1.0	1.4	.8	.3	.2	.4	.1			4.8	15.9
WSW	.2	.4	1.0	1.4	1.8	1.1	.5	.2	.1			6.6	17.3
W	.2	.7	1.2	1.0	1.8	1.5	.5	.1				7.1	16.5
WNW	.2	1.2	1.7	1.2	.5	.5	.1	.1				5.5	11.6
NW	.4	1.9	1.5	2.2	.5	.3	.2	.1				7.0	10.7
NNW	.3	1.3	2.3	1.6	.7	.3	.2	.1				6.8	11.2
VARB													
CALM													
	4.3	16.2	27.8	26.8	13.5	7.2	2.9	1.2	.2			100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

1881

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS MAR MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	1.8	2.3	.9							5.5	12.0
NNE	.5	1.8	4.1	3.7			.5					10.6	10.0
NE		.5	1.4	.9								2.8	9.3
ENE	.5	.5	1.4	1.8								4.1	9.4
E	.5	.9		.9								2.3	8.4
ESE		.9	1.4			.5						2.8	10.2
SE		.5	2.3	1.4	1.4	.9						6.5	14.0
SSE		2.3	1.4	1.4	1.4	1.8						8.3	13.8
S	.5	1.4	1.8	3.7	1.4	2.3	.9					12.0	15.2
SSW	.5	.5	.9	2.3	.5	2.3						6.9	15.0
SW	.5	1.4	.9	.9		.5	.9					5.1	12.6
WSW		1.4	1.4	.9		.9						4.6	11.3
W	.9	1.8	1.8				.5					5.1	7.8
WNW	1.4	1.4	.5	2.3	.9	.5	.9					7.8	12.6
NW	.9	.5	.9	2.3	1.4							6.0	11.5
NNW	1.8	3.7	1.8	.9	.9	.5						9.7	8.5
VARBL													
CALM													
	7.8	19.8	24.0	25.8	8.8	10.1	3.7					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 217



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS

MAR  
MONTH  
0300-0500  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	.5	2.8	.5							5.1	10.9
NNE	.9	1.9	2.8	.9	2.3							8.9	10.1
NE	.9	2.3	3.3	2.3								8.9	7.8
ENE	.5	1.9	.9	1.9								5.1	8.5
E		1.4	.5									1.9	5.3
ESE	.5	.5	1.4	1.9								4.2	9.6
SE	1.4	.9	.5	2.3	.5	.5	.5					6.5	11.9
SSE	.5	.9	.9	2.3	1.4	.9	.9					7.9	15.2
S	1.4	.9	.5	1.4	.9	1.9	.5	.5				7.9	16.5
SSW	.5	1.4	.5	2.3	.5	1.9						7.0	14.4
SW	1.9	1.9	.9	2.3		.5	.5					7.9	9.8
WSW	.5	.9	1.4		.9	.5						4.2	11.2
W	.5	1.4	.5	.9	.9	1.4	.5					6.1	15.4
WNW			1.9	.9		1.4						4.2	13.9
NW	.9	.9	2.3	1.4	1.4							7.0	10.1
NNW		1.9	1.9	1.9	1.4							7.0	10.3
VARBL													
CALM													
	10.3	20.6	20.6	25.7	10.7	8.9	2.8	.5				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			.9	1.4	.9							3.3	13.0
NNE	1.4	1.4	2.3	1.9	.5							7.5	8.4
NE	1.4	2.8	1.4	1.4	.5							7.5	7.1
ENE	.5	1.4	4.2	1.9								8.0	8.7
E	.9	.5	1.2									3.3	6.0
ESE				1.4	.5							1.9	13.5
SE		.5	3.8	2.3	1.4	1.4	.5					9.9	14.6
SSE		1.4	1.4	.9			.5					4.2	11.4
S		1.9	.9	3.3	.9	1.9						9.4	13.7
SSW		.9		1.9	1.4	1.9						6.1	16.2
SW	.5	2.3	1.4	1.2								6.1	8.1
WSW	.9	1.4	1.4		.5	.5						4.7	8.7
W	.9	1.4	1.4	2.8	.5	.9	.9	.5				9.4	14.7
WNW	.5	.5	1.4	.5	1.9	.5						5.2	13.0
NW	.5	.9	1.4	1.9	1.4							6.1	11.3
NNW	.5	1.9	2.8	.9	.5	.9						7.5	10.4
VARBL													
CALM													
	8.0	19.2	26.8	24.2	10.8	8.0	1.9	.5				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

213

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80

STATION

STATION NAME

YEARS

MAR

MONTH

0900-1100

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	1.4	.9	.9	.5						4.6	12.1
NNE	.9	.9	2.8	3.2	.9							8.8	10.1
NE	.9	1.4	1.9	1.4								5.6	7.5
ENE	.9	.9	1.4	.9								4.2	6.9
E	.5	1.9	1.4	.9	.9							5.6	9.2
ESE	.9	1.9	1.4	.9								5.1	7.2
SE	.5		.5	.9	1.4	1.4	.5					5.1	17.7
SSE	.9	.5	2.3	4.6	.9	.9	.5					10.6	13.3
S		.9	1.4	3.2	4.2	.9	.5					11.1	15.1
SSW	.5	.5	.9	.9	.9	1.4		.5				5.6	17.0
SW	2.8	2.3	.9	.9	.5							7.4	6.4
WSW	.9	2.3	1.9	.5	.9		.5					6.9	9.7
W	1.4	1.4	.5	.5	1.4	.5	.5					6.0	11.6
WNW	.9	.5	.9	1.9	.5	1.4						6.5	13.9
NW	.5	.9	.9	.9	.9							4.2	10.0
NNW		.9	.5	.5		.9						2.8	13.3
VARBL													
CALM													
	12.5	18.1	20.8	23.1	14.8	7.9	2.3	.5				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

216

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	.5	1.4		.5						3.7	10.4
NNE	.9	.9	1.8	1.8								5.5	8.7
NE	.5		1.8	1.4								3.7	10.0
ENE	.5	2.3	.9	.5								4.1	7.0
E	1.4	2.3		.9								4.6	5.7
ESE		1.4	2.3	.5								4.1	7.4
SE	.5	1.8	2.3	3.2	3.2	.5						11.5	12.6
SSE	.9	1.4	.9	1.8	2.8	.5		.5				8.7	14.2
S		2.8	2.3	3.2	.5	.5						9.2	10.3
SSW	.9	1.8	.5	1.4	.9	.9	.5					6.9	12.3
SW	2.3	.9	.9	2.3	.5	.9	.5	.5				8.7	12.8
WSW	.9	1.8	.5	.9	.5	.5						5.0	9.5
W	.9	.5	1.4	.5	1.4	.5		.9				6.0	16.6
WNW		1.8	2.3	1.8		.9						6.9	11.0
NW	1.4	.5	.9	1.4								4.1	7.2
NNW	.5	2.8	2.8	.9		.5						7.3	8.4
VARBL													
CALM													
	11.5	24.3	22.0	23.9	9.6	6.0	.9	1.8				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

218

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.9	.5	.9	.5							3.2	10.0
NNE	.5	1.8	1.4	1.4	1.4							6.5	10.9
NE			.9	.9								1.8	11.0
ENE	.5	.9		.9								2.3	6.4
E		.9	1.4	.5	.5							3.2	9.1
ESE		1.4	2.3	1.4								5.1	8.5
SE	.5	.9	3.7	2.3	.5							7.8	9.6
SSE	.9	.9	2.3	6.0	1.8		.5				.5	12.9	13.9
S	.5	1.8	3.7	1.4	1.8	1.8	.5					11.5	13.4
SSW	1.4	.9	1.8	1.8	1.4	1.4						8.8	12.3
SW	1.4	2.8	.5	1.4	.5	1.4	.5	.5				7.4	12.6
WSW	1.4	1.8	2.8			.5	.5	.5				4.4	10.2
W		1.4	1.4	.5	.5	.5						6.5	8.1
WNW	.5	2.3	1.3	.9	.5							3.7	9.5
NW	.5	1.4	.5	.5	.9							6.0	10.3
NNW	.9	.9	1.8	1.4	.5	.5							
VARBL													
CALM													
	9.2	21.2	27.6	22.1	10.6	6.0	1.8	.9			.5	100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

217

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION MONTH  
1900-2000  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				.5	1.4	.5						2.3	17.8
NNE		.9	2.8	1.9	1.4	.5						7.4	12.1
NE			.9									.9	8.5
ENE			.9	.9	.5							2.3	11.8
E	.5	.9	.5	1.4								3.3	9.1
ESE	.9	1.4	.9	.9								4.2	7.0
SE	.5	3.7	2.8	3.7	.9	.9	.5					13.0	10.5
SSE	.9	.5	1.4	1.4	2.3	1.4						7.9	14.3
S	.5	.9	2.8	1.9	1.9	2.3						10.2	14.2
SSW	.5	1.9	2.3	.9	2.3	2.3						10.2	13.7
SW	.9	1.9	.9	2.8	.9	.9	.5	.5				9.3	13.5
WSW		.5	.5			.5						1.4	13.0
W	.5	1.4	.5	.5	.5		.9					4.2	13.2
WNW	1.4	3.3	1.9	1.4	.9							8.8	7.9
NW	.9	1.4	1.4	.9	1.9							6.5	10.3
NNW	.5	3.3	2.3	1.4	.5							7.9	8.5
VARBL													
CALM													
	7.9	21.9	22.8	20.5	15.3	9.3	1.9	.5				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 215

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAR  
MONTH  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.8	1.4	1.8	.9							6.5	9.5
NNE		2.3	2.8	2.8		.9						8.8	10.6
NE	.5	1.8	1.8	.9								5.1	7.2
ENE			.5	.9								1.4	10.7
E	.5	.9	.5	1.8	.9							4.6	11.3
ESE		.9				.5						1.4	12.0
SE		2.3	2.3	3.7	.5	.9						9.7	11.2
SSE	1.4	.9	1.4	.9	2.3	1.8	.5					9.2	14.3
S	.9		2.3	.9	1.4	2.3						7.8	15.0
SSW	.9	.9	3.2	2.3	2.3	1.4						11.1	17.6
SW	.9		1.4	.5		1.8	1.4					6.0	18.7
WSW		.9	.5	1.8	.9							4.1	12.3
W	.5	.9	1.8	.9	.5							4.6	8.2
WNW	.5	1.8	.5	1.4	.5							4.6	9.2
NW	1.4	1.8	2.3	2.3	.9	.9						9.7	17.7
NNW	.9	.5	1.4	2.8								5.5	9.2
VARBL													
CALM													
	8.8	18.0	24.0	25.8	11.1	10.6	1.8					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 217

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80 MAR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER ALL  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	.9	1.5	.8	.2						4.3	11.5
NNE	.6	1.5	2.6	2.2	.8	.2	.1					8.0	10.1
NE	.5	1.1	1.7	1.2	.1							4.5	8.1
ENE	.4	1.0	1.3	1.2	.1							3.9	8.4
E	.5	1.2	.8	.8	.3							3.6	8.3
ESE	.3	1.0	1.2	.9	.1	.1						3.6	8.7
SE	.4	1.3	2.3	2.5	1.2	.8	.2					8.7	12.4
SSE	.7	1.1	1.5	2.4	1.6	.9	.3	.1			.1	8.7	13.9
S	.5	1.3	2.0	2.4	1.6	1.7	.3	.1				9.9	14.2
SSW	.6	1.1	1.3	1.7	1.3	1.7	.1	.1				7.8	13.9
SW	1.4	1.7	1.0	1.6	.3	.8	.5	.2				7.4	11.8
WSW	.6	1.4	1.3	.5	.5	.4	.1	.1				4.8	10.5
W	.7	1.3	1.2	.8	.7	.5	.4	.2				5.7	12.6
WNW	.6	1.4	1.4	1.4	.7	.5	.1					6.3	11.0
NW	.9	1.0	1.3	1.4	1.1	.1						5.9	10.3
NNW	.6	2.0	1.9	1.3	.5	.4						6.7	9.5
VARBL													
CALM													
	9.5	20.4	23.6	24.0	11.5	8.3	2.1	.6			.1	100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 1727



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N													
NNE			2.8									2.8	8.0
NE		2.8		.9	1.9							5.6	10.7
ENE		1.9	.9									2.8	6.0
E													
ESE	.9	.9	1.9	.9	1.9							6.5	11.6
SE		.9	9.3	3.7	.9	1.9	.9					17.6	12.6
SSE	1.9		4.6	6.5	4.6	3.7		1.9				23.1	16.6
S		1.9	5.6	6.5	1.9							15.7	11.4
SSW		.9	.9									1.9	6.0
SW	.9	.9	.9		1.9							4.6	10.8
WSW		.9		1.9								2.8	10.7
W				.9	.9	.9						2.8	9.7
WNW	1.9	2.8										4.6	4.4
NW	.9	3.7	.9	.9	1.9							8.3	9.1
NNW			.9									.9	7.0
VARBL													
CALM													
	6.5	17.6	28.7	22.2	15.7	6.5	.9	1.9				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

108

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9										.9	6.0
NNE		1.9			1.9							3.7	12.0
NE					.9							.9	20.0
ENE	.9	2.8										3.7	4.3
E		1.9	.9					.9				3.7	12.5
ESE	1.9	.9	1.9	2.8								7.4	8.4
SE		2.8	6.5	.9	.9		1.9					13.0	12.6
SSE		.9	6.5	6.5	6.5	2.8	.9					24.1	15.3
S		.9	3.7	2.8	.9	.9						9.3	12.0
SSW	.9		.9	2.8								4.5	10.4
SW	1.9	1.9		1.9	1.9							7.4	10.0
WSW			.9	1.9								2.8	11.0
W	1.9		1.9			2.8						6.5	12.9
WNW		1.9	1.9									3.7	6.0
NW	.9		.9	3.7								5.6	9.5
NNW	.9		1.9									2.8	5.7
VARBL													
CALM													
	9.3	16.7	27.8	23.1	13.0	6.5	2.8	.9				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

108

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.9									.9	10.0
NNE			2.8	.9	.9							4.7	11.0
NE	1.9	.9	.9			1.9						5.6	10.8
ENE	.9	.9	1.9									3.7	6.0
E		1.9										1.9	5.5
ESE	2.8	1.9			1.9							6.5	7.1
SE		2.8	6.5	5.6	1.9	2.8						19.6	12.4
SSE	1.9	1.9	3.7	5.6	4.7	2.8	1.9					22.4	15.0
S		.9	2.8	4.7	.9	.9						10.3	11.9
SSW	.9		.9	2.8								4.7	10.2
SW				.9	.9	1.9						3.7	20.5
WSW			1.9	.9								2.8	8.7
W					1.9	.9						2.8	21.3
WNW		.9	.9									1.9	6.5
NW		.9	1.9	1.9								4.7	9.0
NNW		.9	.9	1.9								3.7	10.5
VARBL													
CALM													
	8.4	14.0	26.2	25.2	13.1	11.2	1.9					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

107

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.0											1.0	3.0
NNE	1.9	4.9	1.0	1.0								8.7	5.3
NE		3.9				1.0						4.9	8.6
ENE	1.9	1.0			1.0	1.0						4.9	10.2
E		1.9			1.0							2.9	8.7
ESE		1.0		1.0	1.0							2.9	14.3
SE		2.9	5.8	10.7								19.4	11.4
SSE			4.9	5.8	5.8	1.0	2.9					20.4	17.4
S	1.0	2.9	1.9	1.9	1.0							8.7	8.8
SSW		1.0			1.0							1.9	12.5
SW		1.0	1.0	2.9								4.9	10.6
WSW	1.9		2.9	1.0								5.8	6.7
W	1.9				2.9	1.9						6.8	15.7
WNW	1.0											1.0	3.0
NW	1.0	1.9	1.0									3.9	5.0
NNW			1.0	1.0								1.9	9.0
VARBL													
CALM													
	11.7	22.3	17.4	25.2	13.6	4.9	2.9					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 103

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS APR MONTH  
1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	2.0									3.0	6.3
NNE		2.0										2.0	4.0
NE		1.0				1.0						2.0	14.0
ENE			3.0		2.0							5.0	12.4
E		1.0	2.0		1.0							4.0	9.8
ESE		1.0	1.0	2.0								4.0	10.5
SE		1.0	5.0	4.0		2.0	1.0					12.9	13.6
SSE		3.0	5.9	6.9			1.0					16.8	10.5
S	1.0	2.0	4.0	1.0		1.0						8.9	9.7
SSW	1.0	1.0	2.0	2.0	2.0							7.9	10.5
SW		1.0	1.0	3.0	2.0							6.9	12.6
WSW		2.0	1.0	3.0								5.9	9.3
W		3.0	4.0	1.0	1.0							8.9	9.1
WNW	1.0	3.0		1.0								5.0	5.8
NW		3.0	2.0	1.0								5.9	7.2
NNW	1.0											1.0	3.0
VARBL													
CALM													
	4.0	24.8	32.7	24.8	7.9	4.0	2.0					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 101

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS APR MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.0	2.0			1.0						4.9	10.2
NNE		2.0	1.0	1.0								3.9	7.8
NE	2.0	2.0	1.0			1.0						5.9	7.8
ENE		2.9	1.0									3.9	6.5
E	1.0	2.9	3.9	1.0		1.0						9.8	8.5
ESE	1.0	2.0	5.9	1.0		1.0						10.8	9.3
SE	2.9		2.0	2.9			2.0					9.8	11.9
SSE	1.0	2.0	2.0	6.9	2.0	1.0		1.0				15.7	13.9
S	1.0	1.0	1.0	1.0								3.9	7.0
SSW		1.0			1.0							2.0	11.5
SW	1.0	2.0	2.0		2.9	1.0						8.8	12.2
WSW	1.0	1.0	1.0	2.9								5.9	8.8
W		2.0	1.0	2.0								4.9	8.4
WNW	1.0	2.0		1.0	1.0							4.9	8.4
NW	2.9				1.0							3.9	6.3
NNW		1.0										1.0	5.0
VARBL													
CALM													
	14.7	25.5	23.5	19.6	7.8	5.9	2.0	1.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 102

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00032 MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION

STATION NAME

YEARS

APR

MONTH

1800-2000

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									2.9	6.0
NNE			2.0	2.0	2.0	1.0						6.9	14.6
NE		2.9		1.0								3.9	6.3
ENE		1.0	1.0									2.0	7.0
E	2.9	2.0	2.0		1.0							7.8	6.6
ESE	1.0		2.9									3.9	7.0
SE	1.0	2.0	7.8	2.0	2.9		1.0	1.0				17.6	13.2
SSE		1.0	4.9	6.9	3.9	1.0		1.0				18.6	14.6
S	1.0	2.0	2.9	1.0		2.0						8.8	12.0
SSW				1.0	1.0							2.0	16.0
SW	1.0	1.0	2.9	1.0	1.0							6.9	9.1
WSW	1.0	1.0	2.0	2.0								5.9	8.3
W	2.0				1.0							2.9	6.7
WNW	1.0				1.0							2.0	10.5
NW		2.0	1.0	2.0	1.0							5.9	11.8
NNW		1.0		1.0								2.0	7.5
VARBL													
CALM													
	11.8	16.7	30.4	19.6	14.7	3.9	1.0	2.0				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

102

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 APR  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	1.0								2.0	10.5
NNE		1.0	1.0			1.0						3.0	12.3
NE	1.0	1.0	1.0		1.0							4.0	9.0
ENE		1.0			1.0							2.0	12.0
E	1.0	3.0	1.0	1.0								6.0	5.7
ESE			2.0									2.0	7.5
SE		2.0	4.0	11.0	1.0		2.0					20.0	12.1
SSE	1.0		4.0	9.0	7.0	3.0						26.0	14.5
S		2.0	1.0	2.0	1.0							6.0	9.7
SSW			2.0	1.0	1.0							4.0	12.5
SW	1.0	1.0	3.0		2.0							7.0	9.7
WSW	1.0		1.0	1.0								3.0	7.3
W	1.0	1.0			3.0							5.0	11.6
WNW	1.0	1.0										2.0	4.5
NW		2.0	1.0	3.0								6.0	10.0
NNW		2.0										2.0	5.0
VARBL													
CALM													
	7.0	17.0	24.0	29.0	17.0	4.0	2.0					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 100



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HT SOUTH TOWER 78-79

STATION

STATION NAME

YEARS

APR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.8	.1		.1						1.9	8.0
NNE	.2	1.4	1.3	.6	.6	.2						4.5	9.5
NE	.6	1.8	.4	.2	.5	.6						4.1	9.6
ENE	.5	1.4	1.0		.5	.1						3.5	8.1
E	.6	1.8	1.2	.2	.4	.1		.1				4.5	8.1
ESE	1.0	1.0	1.9	1.0	.6	.1						5.5	9.3
SE	.5	1.8	5.9	5.1	1.0	.8	1.1	.1				16.2	12.5
SSE	.7	1.1	4.8	6.7	4.3	1.9	.8	.5				20.9	14.9
S	.5	1.7	2.9	2.6	.7	.6						9.0	10.7
SSW	.4	.5	.8	1.2	.7							3.6	11.0
SW	.7	1.1	1.3	1.2	1.6	.4						6.3	11.5
WSW	.6	.6	1.3	1.8								4.3	8.7
W	.8	.7	.8	.5	1.3	.8						5.1	12.5
WNW	.8	1.4	.4	.2	.2							3.1	6.3
NW	.7	1.7	1.1	1.6	.5							5.5	8.8
NNW	.2	.6	.6	.5								1.9	7.3
VARBL													
CALM													
	9.1	19.3	26.6	23.6	12.9	5.9	1.9	.7				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

831

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002

STATION

MAUI OPTICAL SITE HI SOUTH TOWER

STATION NAME

78-79

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	2.2			1.4						6.5	9.6
NNE			.7			.7						1.4	16.0
NE	1.4	.7		.7								2.9	5.5
ENE	1.4	2.9	.7	1.4								6.5	6.7
E	.7	.7	2.2	.7								4.3	7.8
ESE	1.4	.7	2.2	.7								5.1	7.6
SE		2.9	4.3	3.6	2.2							13.0	10.8
SSE	.7	1.4	2.2	1.4	1.4	2.2	2.9					12.3	17.4
S		.7	2.2	5.1	.7							8.7	12.5
SSW			2.2	1.4	.7							4.3	12.0
SW	1.4		.7	.7								2.9	6.5
WSW	2.2		.7	.7								3.6	4.8
W		1.4	2.2	2.2								5.8	9.0
WNW	.7	2.9	1.4	3.6	1.4							10.1	10.4
NW	.7		2.9	.7	2.9							7.2	12.6
NNW	2.2	1.4		1.4								5.1	7.1
VARBL													
CALM													
	14.5	17.4	26.8	24.6	9.4	4.3	2.9					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N					.7	1.4						2.2	22.3
NNE	1.4	1.4		.7								3.6	5.6
NE	1.4	.7	1.4	.7								4.3	7.2
ENE		2.9	1.4									4.3	5.3
E		2.2	3.6	.7								6.5	7.6
ESE	.7	.7	1.4									2.9	6.3
SE	.7	2.9	4.3	1.4	3.6	.7						13.8	11.4
SSE		1.4	1.4	3.6	1.4	3.6	1.4					13.0	17.6
S		2.2	1.4	2.2	.7							6.5	9.9
SSW	1.4		2.2	1.4								5.1	8.0
SW	1.4	.7		2.9	.7							5.8	10.6
WSW	1.4		1.4									2.9	5.5
W	.7	2.2		1.4								4.3	7.5
WNW	.7	2.2	1.4	2.9	3.6							10.9	11.8
NW	1.4	2.9	2.2	2.9	.7							10.1	8.8
NNW		.7	2.2	.7								3.6	9.0
VARBL													
CALM													
	11.6	23.2	24.6	21.7	11.6	5.8	1.4					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 MAY  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0600-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N			.7									.7	10.0
NNE				.7	.7							1.4	14.0
NE	.7			1.4	.7							2.9	11.5
ENE	1.4	3.6	2.9	2.2								10.1	7.5
E			.7									.7	8.0
ESE	.7	1.4	3.6									5.8	6.8
SE	.7	2.2	3.6	1.4	2.2	.7	.7					11.6	12.1
SSE			2.2	3.6	4.3	.7	2.9					13.8	17.8
S	2.2		1.4	2.9								5.5	8.8
SSW	2.2		2.2	1.4								5.8	8.0
SW	1.4	1.4	.7	3.6								7.2	8.8
WSW	2.9	.7	.7	.7								5.1	5.3
W	.7	1.4		2.2								4.3	9.3
WNW	1.4	2.2	1.4	1.4	.7							7.2	8.2
NW	2.2	3.6	.7	3.6	2.2							12.3	9.6
NNW			2.9	1.4								4.3	9.5
VARBL													
CALM													
	16.7	16.7	23.9	26.8	10.9	1.4	3.6					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 138

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS MAY MONTH  
0900-1100 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5										1.5	6.0
NNE		3.0	.7	1.5								5.2	5.9
NE	.7	1.5	1.5									3.7	6.4
ENE	2.2	.7	2.2	1.5								6.7	7.6
E		.7	1.5	.7								3.0	7.5
ESE		2.2	2.2									4.4	7.1
SE	.7	2.2	1.5	5.2	.7	1.5						11.9	11.9
SSE	.7	2.2	1.5	3.0	2.2	1.5	1.5					12.6	15.1
S	1.5	2.2	1.5	2.2	.7							8.1	8.5
SSW			1.5	1.5								3.0	11.3
SW	1.5	.7	.7		.7							3.7	6.8
WSW	1.5	1.5	2.2	1.5	.7							7.4	8.4
W		3.0	5.2	2.2	.7							11.1	9.3
WNW	2.2	.7				2.2						5.2	12.0
NW	.7	2.2	2.2	3.0	.7							8.9	9.4
NNW	.7	.7	.7	.7	.7							3.7	9.2
VARB.													
CALM													
	12.6	25.2	25.2	23.0	7.4	5.2	1.5					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 135

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 MAY  
STATION STATION NAME YEARS MONTH  
1200-1400  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4		2.2									3.6	5.8
NNE	.7	3.6	1.4	1.4								7.2	6.5
NE		1.4	1.4									2.9	7.5
ENE		2.9	.7	.7								4.3	6.3
E		1.4	.7									2.2	6.7
ESE	.7	2.2										3.6	4.8
SE		2.2	1.4	1.4	.7							5.8	9.6
SSE	.7	3.6	1.4	2.2	2.9	.7	.7	1.4				13.7	14.8
S	.7	.7	2.2	1.4	.7	.7						6.5	10.3
SSW		1.4	2.9									4.3	7.2
SW		2.9	2.2									5.0	7.0
WSW		2.9	3.6	.7	.7							7.9	8.1
W	1.4	5.0	.7	2.2	.7							10.1	7.4
WNW	1.4	.7	4.3	1.4								7.9	7.9
NW	.7	2.2	3.6	1.4	.7							8.6	8.9
NNW	.7	1.4	2.2	.7	1.4							6.5	9.6
VARBL													
CALM													
	8.6	35.3	30.9	13.7	7.9	1.4	.7	1.4				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 139

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
MAY MONTH  
1500-1700 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		2.2	2.2	.7								5.1	8.3
NNE	.7	1.4	.7									2.9	6.3
NE	1.4	1.4	.7	1.4								5.1	6.0
ENE		.7	1.4	.7								2.9	9.0
E	.7	1.4	1.4	1.4								5.1	7.0
ESE	1.4	1.4	2.2	1.4								6.5	7.0
SE	.7	2.2	3.6	3.6		.7						10.9	9.7
SSE	.7		.7	.7		3.6	.7					6.5	19.4
S	.7	1.4		1.4	1.4	.7						5.8	11.8
SSW		.7	.7	2.2								3.6	11.4
SW	2.2	1.4	4.3	1.4								9.4	6.9
WSW	1.4	5.1	1.4	1.4	.7							10.1	6.8
W	.7	.7	1.4	1.4	.7							5.1	9.4
WNW	.7	2.2	1.4	.7								5.1	6.6
NW	1.4	1.4	3.6	1.4	.7							8.7	9.1
NNW	.7	1.4	3.6	1.4								7.2	7.4
VARBL													
CALM													
	13.8	25.4	29.7	21.7	3.6	5.1	.7					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS MAY  
STATION NAME MONTH  
ALL WEATHER CLASS 1800-2000  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7			.7	.7							2.2	11.0
NNE	1.5		2.2	1.5	.7							5.8	9.5
NE		2.9	.7	1.5								5.1	8.0
ENE		2.2	.7	2.2								5.1	9.4
E	1.5	1.5	2.2	.7								5.8	6.0
ESE	.7	1.5	1.5									3.6	6.0
SE	.7	2.9	5.1	3.6	2.2							14.6	11.0
SSE	2.2		3.6		.7	2.2	2.2					10.9	16.2
S	.7		.7	2.2	.7							4.4	11.8
SSW	.7	1.9	.7		.7	.7						5.8	8.9
SW	1.5	2.2	1.5	1.5								6.6	7.1
WSW	1.5	2.2	.7	.7	.7							5.8	7.3
W	2.9		2.9	1.5								7.3	6.8
WNW	.7	.7	2.9	.7		.7						5.8	9.0
NW	2.2	1.5	2.2	2.2	.7	.7						9.3	9.9
NNW					1.5							1.5	17.5
VARBL													
CALM													
	17.5	20.4	27.7	19.0	8.8	4.4	2.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 137



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

02032 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS  
MAY MONTH  
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.7	1.4	.7	.7	1.4	.7						5.8	11.4
NE		3.6	.7	.7								5.1	7.4
NNE		.7	1.4	2.9		.7						5.8	11.9
E	.7	2.2	1.4	1.4								5.8	7.4
ESE		2.9	1.4									4.3	6.0
SE		2.2	5.1	3.6	1.4	.7						13.0	11.6
SSE	.7	2.2	3.6		2.2	2.2	2.2					13.0	16.2
S	.7		1.4	1.4	.7	.7						5.1	12.9
SSW		1.4		.7	1.4							3.6	13.2
SW	.7	2.2	2.2	2.2								7.2	7.7
WSW	1.4		2.2	1.4								5.1	8.7
W	1.4		2.2	2.9								6.5	9.6
WNW		1.4	1.4	2.9	1.4							7.2	11.4
NW	.7	.7	3.6			2.2						7.2	11.6
NNW	.7	1.4		2.2	.7							5.1	9.7
VARBL													
CALM													
	8.0	22.5	27.5	23.2	9.4	7.2	2.2					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00032 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
MAY  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.9	.2	.2	.4						2.7	9.8
NNE	.6	1.4	.8	.8	.4	.2						4.2	8.5
NE	.7	1.5	.8	.8	.1							4.0	7.3
ENE	.6	2.1	1.5	1.5		.1						5.7	7.9
E	.5	1.3	1.7	.7								4.2	7.2
ESE	.7	1.7	1.8	.3								4.5	6.6
SE	.5	2.5	3.6	3.0	1.6	.5	.1					11.8	11.1
SSE	.7	1.4	2.1	1.8	1.9	2.1	1.8	.2				12.7	15.6
S	.8	.9	1.4	2.4	.7	.3						6.4	10.7
SSW	.5	.8	1.5	1.1	.4	.1						4.5	9.7
SW	1.3	1.5	1.5	1.5	.2							6.0	7.8
WSW	1.5	1.5	1.6	.9	.4							6.0	7.1
W	1.3	1.7	1.8	2.0	.3							6.8	8.5
WNW	1.0	1.6	1.8	1.7	.9	.4						7.4	9.8
NW	1.3	1.9	2.6	1.9	1.1	.4						9.1	9.9
NNW	.6	.9	1.5	1.1	.5							4.6	9.0
VARBL													
CALM													
	12.9	23.3	27.1	21.7	8.6	4.4	1.9	.2				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1101

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS JUN MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.6	1.7	1.7			.6					5.6	10.6
NNE	1.7	1.1	5.1	2.8	1.7	1.1						13.6	11.3
NE	.6	2.3	2.3	3.4	1.7							10.7	10.6
ENE	.6		1.1	1.1								2.8	10.6
E	.6	1.1	1.1									2.8	6.0
ESE		1.7	1.7	1.1								5.1	9.4
SE	1.1	1.7	4.0	4.0	1.1							11.9	10.4
SSE			2.3	5.1	2.8	1.7						11.9	15.7
S	1.1	.6	2.8	5.1	.6	.6						10.7	11.9
SSW	2.3	2.3										5.1	3.7
SW	.6	1.7										2.3	4.0
WSW	.6	.6	.6									1.7	4.7
W	2.3	.6	1.1									4.0	4.7
WNW	3.4	.6										4.0	2.7
NW	.6	1.1		1.7		1.1						4.5	12.8
NNW	.6	.6	1.7			.6						3.4	9.2
VARBL													
CALM													
	17.5	16.4	26.0	26.6	7.9	5.1	.6					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00002 STATION NAME MAUI OPTICAL SITE HI SOUTH TOWER YEARS 78-79 MONTH JULY

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 0300-0500

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-32	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	.6	1.7	1.7	1.7	.6						7.9	10.9
NNE		1.7	5.1	5.1	1.1							13.0	10.2
NE	.6	.6	2.3	4.5	.6							8.5	10.5
ENE		.6	.6	.6								1.7	7.3
E	.6	2.3	1.1	.6								4.5	6.6
ESE	.6	1.7	2.8	1.7								6.8	7.9
SE	.6	2.3		2.3	1.1							6.2	10.7
SSE	1.1	.6	1.1	6.8	5.1							14.7	13.8
S	2.3	1.1	2.8	1.1	3.4							10.7	10.8
SSW	.6	1.7	.6	.6		.6						4.0	8.7
SW	.6											.6	3.0
WSW	.6	.6										1.1	2.5
W	2.3	1.1	.6									4.0	3.4
WNW	.6	1.1	.6	.6	.6							3.4	8.5
NW	1.7	.6		.6	1.1							4.0	8.9
NNW	2.3	3.4	2.3	.6	.6							9.0	6.7
VARBL													
CALM													
	15.8	19.8	21.5	26.6	15.3	1.1						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	.6	1.7	1.7	.6						5.7	12.9
NNE	.6	1.7	5.7	6.8								14.8	9.7
NE	1.1	1.7	2.8	1.7	.6	1.1						9.1	10.9
ENE	1.7	1.1										2.8	3.4
E	.6	4.5	1.1									6.2	4.9
ESE	.6	2.8		2.3								5.7	7.7
SE	.6	3.4	1.1	1.1	1.7							8.0	9.1
SSE		1.1		6.8	3.4							11.4	14.6
S	1.1	1.7	.6	4.5	4.0							11.9	12.3
SSW	1.1	1.1	.6									2.8	4.4
SW	1.7											1.7	2.7
WSW	2.3											2.3	2.5
W	.6	1.1										1.7	4.3
WNW	1.1	1.1	1.1	.6								4.0	6.4
NW	.6	.6	1.7	1.1	.6	.6						5.1	11.3
NNW	1.7	1.7	1.7		1.1	.6						6.8	8.4
VARBL													
CALM													
	15.9	24.4	17.0	26.7	13.1	2.8						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS JUN MONTH  
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2		1.2	3.5		.6						6.4	11.7
NNE	.6	1.2	4.1	4.7	.6							11.0	10.6
NE	.6	1.7	4.1	.6								7.0	8.2
ENE	1.2	.6	.6	.6	1.2	.6						4.7	12.3
E	1.2	1.2	1.2									3.5	4.8
ESE	2.3	2.9	2.9	2.9	.6							11.6	7.8
SE		2.3	2.3	1.7								6.4	8.5
SSE		2.9	2.3	3.5	2.3	2.3						13.4	13.3
S	1.2	.6	1.7	1.7	2.9	.6						8.7	12.3
SSW	1.2	2.9		.6								4.7	5.4
SW	1.7	1.2										2.9	3.6
WSW	.6											.6	3.0
W	1.2	.6	1.7									3.5	5.2
WNW	.6	2.3		.6								3.5	6.5
NW	.6	1.7	.6		.6	.6						4.1	9.4
NNW	1.7	1.7	2.9	1.2	.6							8.1	7.9
VARBL													
CALM													
	15.7	23.8	25.6	21.5	8.7	4.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 172

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 300022 STATION NAME MAUI OPTICAL SITE HI SOUTH TOWER YEARS 78-79 MONTH JUN  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		3.5	.6	5.2	4.0							13.3	12.0
NNE	.6	2.9	.6	2.9								6.9	8.3
N $\frac{1}{2}$ E	.6	1.7	3.5	2.3								8.1	8.5
ENE	.6	2.3	2.3	.6								5.8	7.0
E	1.7	2.9	1.2	.6	.6							6.9	6.7
ESE		2.3	1.7									4.0	6.9
SE	1.7	1.2	2.9	2.9								8.7	8.8
SSE	1.2	1.7	4.0	.6	3.5	.6						11.6	11.7
S	.6	1.7	1.7	2.3	2.3							8.7	11.6
SSW	.6	.6	1.2	.6								2.9	7.6
SW	1.2	.6	1.2									2.9	5.2
WSW	1.2	2.3										3.5	4.2
W	1.7	2.3	1.2									5.2	4.4
WNW	1.2	1.2										2.3	4.3
NW		2.3	.6									2.9	5.0
NNW	.6	1.2	2.9	1.7								6.4	8.1
VARBL													
CALM													
	13.3	30.6	25.4	19.7	10.4	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS  
ALL WEATHER CLASS  
JUN MONTH  
1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.7	3.4								6.9	10.3
NNE		2.3	3.4	6.3	.6							12.6	10.9
NE	1.1	.6	1.1	1.1								4.0	6.7
ENE	.6	2.9										3.4	4.5
E	.6	1.1	1.1	.6								3.4	6.5
ESE		2.3	1.1	1.1								4.6	7.4
SE	1.1	1.7	4.6	5.1	.6							13.1	9.6
SSE		.6	1.7	5.7	1.7	.6						10.3	13.7
S	.6	1.7		1.1	2.3							5.7	11.1
SSW	.6	1.7										2.3	4.0
SW	.6	1.1										1.7	3.7
WSW	1.1	1.1										2.3	3.8
W	.6	2.3	1.1									4.0	5.4
WNW	.6	4.0	1.7									6.3	5.8
NW	3.4	4.0	2.9									10.3	4.9
NNW	1.1	1.1	3.4	2.9	.6							9.1	9.8
VARBL													
CALM													
	12.6	29.7	24.0	27.4	5.7	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 175



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00022 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS JUN MONTH  
1800-2000 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	5.7	2.3	3.4							13.6	11.2
NNE	.6	.6	4.0	7.4	.6							13.1	11.0
NE		2.3	3.4	1.1								6.8	7.3
ENE	.6	2.3		.6								3.4	5.5
E	.6	1.7	1.1									3.4	5.7
ESE	.6	1.1	1.7	2.3								5.7	8.6
SE	.6	2.3	4.0	10.2								17.0	10.3
SSE	.6	.6	1.1	2.3	4.0	2.8						11.4	16.7
S	.6	1.7		.6	1.7	.6						5.1	12.7
SSW	.6											.6	2.0
SW	.6	.6										1.1	4.5
WSW	1.1	1.1										2.3	3.3
W	1.1	1.1										2.3	4.3
WNW	1.1	.6	.6									2.3	5.0
NW	1.7	.6	1.1		.6							4.0	6.7
NNW	.6	3.4	.6	2.3	1.1							8.0	9.6
VARBL													
CALM													
	11.4	21.6	23.3	29.0	11.4	3.4						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS

ALL WEATHER  
CLASS

JUL  
MONTH  
2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		1.7	2.8	2.8	1.7	.6	.6					10.2	13.0
NNE		1.7	5.1	5.1		.6						12.5	10.8
NE	1.1	1.7	3.4	2.3								8.5	8.1
ENE		1.7	2.3	2.8								6.9	8.8
E	1.1	1.1	1.7	.6								4.5	7.4
ESE			1.1	3.4								4.5	12.3
SE		1.1	5.1	5.1	1.1							12.5	11.0
SSE		1.1	2.8	2.3	2.8	2.8	.6					12.5	15.8
S	1.7	2.3	.6	4.0								8.5	8.3
SSW	1.1											1.1	3.0
SW	2.3	1.1										3.4	3.2
WSW	1.1											1.1	1.5
W	2.3	.6	1.1									4.0	4.6
WNW	.6	.6	.6									1.7	5.0
NW	.6	.6			1.7							2.8	12.4
NNW	1.1	.6	1.7	1.1	.6							5.1	8.9
VARBL													
CALM													
	13.1	15.9	28.4	29.5	8.0	4.0	1.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00022  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.2	2.0	2.8	1.6	.3	.1					8.7	11.6
NNE	.5	1.6	4.1	5.1	.6	.2						12.2	10.5
NE	.7	1.6	2.9	2.1	.4	.1						7.8	9.1
ENE	.6	1.4	.9	.8	.1	.1						3.9	7.7
E	.9	2.0	1.2	.3	.1							4.4	6.1
ESE	.5	1.9	1.6	1.9	.1							6.0	8.4
SE	.7	2.0	3.0	4.1	.7							10.5	9.9
SSE	.4	1.1	1.9	4.1	3.2	1.4	.1					12.1	14.4
S	1.1	1.4	1.3	2.6	2.1	.2						8.8	11.4
SSW	1.1	1.3	.3	.2		.1						2.9	5.4
SW	1.1	.8	.1									2.1	3.8
WSW	1.1	.7	.1									1.9	3.4
W	1.5	1.2	.9									3.6	4.6
WNW	1.1	1.4	.6	.2	.1							3.4	5.6
NW	1.1	1.4	.9	.4	.6	.3						4.7	8.4
NNW	1.2	1.7	2.1	1.2	.6	.1						7.0	8.5
VARBL													
CALM													
	14.4	22.8	23.9	25.9	10.1	2.8	.2					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 1402

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3			1.3	1.8						4.9	16.0
NNE		1.8	1.3	2.7								5.8	10.1
NE		1.8	1.8	3.6	.9	.4						8.4	11.3
ENE		1.3	4.4	2.2	.9							8.9	10.2
E		2.2	3.6	3.1	1.3	.4						10.7	11.0
ESE	.4	2.7	5.3	.9	.4							9.8	8.1
SE	.4	2.2	6.7	4.9	1.3							15.6	10.3
SSE		1.3	3.1	6.7	1.8	.4						13.3	11.9
S		4.0	1.8	1.3	.4							7.6	7.8
SSW		.9		.4								1.3	7.3
SW	.4	1.8										2.2	4.6
WSW		1.3	.4									1.8	5.8
W		.4										.4	5.0
WNW		.4	.4		.4							1.3	11.7
NW			1.3	.4	.9	.4	.4	.4				4.0	18.0
NNW	.4		.4	1.8	1.3							4.0	13.9
VARBL													
CALM													
	2.2	23.6	30.7	28.0	11.1	3.6	.4	.4				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

225

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 79-80 JUL  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0300-0500  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N		.2	.4	1.7	.4							3.5	11.8
NNE	.4	.9	.9	1.7	.4							4.4	10.6
NE		.4	2.2	2.6	1.3							6.6	12.1
ENE	.9	1.7	3.5	3.1	.9							10.0	10.2
E		3.9	4.4	4.8	2.6	.4						16.2	10.8
ESE		2.6	3.9	.9	.4							7.9	8.5
SE		2.2	7.9	6.1	.4							16.6	10.2
SSE	.4	.4	2.2	3.1	.9	.9	.4					8.3	13.3
S	.4	.9	3.9	3.1								8.3	9.5
SSW			1.3		.4							1.7	10.5
SW		.4			.4							.9	11.0
WSW		.9	.4									1.3	5.7
W		.9	.4									1.3	5.0
WNW		1.3	.9									2.2	6.6
NW	.4		1.3	.9	2.6	.9						6.1	15.9
NNW		.4	.4	.9	1.3	.9	.9					4.8	18.7
VARBL													
CALM													
	2.6	17.9	34.1	23.8	12.2	3.1	1.3					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 229

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	.4	.4	.9	.4	.4						3.5	12.6
NNE		.9	.9	1.3	.4	.4						4.0	12.8
NE		.9		5.7	1.3							7.9	13.3
ENE		1.3	4.0	2.6	1.8	.4						10.1	11.7
E		2.6	6.6	4.0	1.3							14.5	10.0
ESE		2.2	4.0	1.3								7.5	8.2
SE		3.1	6.6	6.2	.4	.4						16.7	9.9
SSE	.4	1.8	1.8	.9	2.6	1.8						9.3	13.4
S	.4	.9	.4	1.8	.9							4.4	11.1
SSW	.4	.9	1.3	1.3								4.0	8.4
SW													
WSW	.9	.9										1.8	3.8
W	.4	1.3	1.3									3.5	5.6
WNW		.9	.9									1.6	7.3
NW	.4		.9	.9		.9						3.1	13.3
NNW		1.3	.9	2.2	2.6	.9						7.9	14.6
VARBL													
CALM													
	3.5	19.8	30.0	29.1	12.3	5.3						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

227

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS JUL MONTH  
0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.3	1.3	.4	.4						3.9	13.0
NNE	.9	.4	.9	2.6	.4							5.3	10.5
NE	.4	1.3	1.8	1.8	.4							5.7	9.7
ENE		.9	4.4	2.2	1.3							8.8	11.3
E	.4	3.1	5.3	4.4	1.8	.9						15.8	10.8
ESE		2.2	4.4	1.8	.9							9.2	9.6
SE	.9	1.8	5.7	4.4	.9	.4						14.0	10.2
SSE		1.3	.9	3.5	.4	2.2						8.3	14.2
S		1.8	1.8	.9	.9							5.3	10.3
SSW		1.3	.9									2.2	7.2
SW		1.8	.9									2.6	5.5
WSW	1.8	1.3										3.1	3.3
W	.9	.4										1.3	2.3
WNW	.9	1.8	1.3									3.9	5.8
NW	.4	.4	.9	.4	.4	.4						3.1	11.1
NNW	.4	.9		2.2	3.5	.4						7.5	15.3
VARBL													
CALM													
	7.0	21.1	30.3	25.4	11.4	4.8						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 226

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER STATION NAME 78-80 YEARS ALL WEATHER CLASS 1200-1400 MONTH JUL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	1.7	2.1	.9	.4	.4					7.3	12.4
NNE		.4	2.6	1.7	2.1							6.9	12.8
NE	.9	.9	1.7	1.7	.9							6.0	10.2
ENE		2.1	1.7	2.1	1.7	.4						8.2	11.6
E		2.1	3.0	1.3	1.3	.4						8.2	11.1
ESE	.4	1.7	3.0	2.1								7.3	8.2
SE	1.3	3.0	4.3	4.3	3.0							15.9	10.4
SSE	.9	.4	2.1	2.1	1.3	.9		.9				8.6	14.5
S	.9	2.6	1.7	1.3	.9							7.3	8.4
SSW		1.7	1.3	.4								3.4	7.6
SW	1.3	1.7	1.3									4.3	5.1
WSW	.4	.9	.4									1.7	4.8
W	.9	2.1	.4	.4								3.9	6.1
WNW	.4	1.7										2.1	4.0
NW	.4	.9	.9	2.1								4.3	9.8
NNW	.4	.4	1.3	.9	1.3	.4						4.7	13.2
VA2BL													
CALM													
	9.0	23.6	27.5	22.7	13.3	2.6	.4	.9				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 233



2

GLOBAL CLIMATOLOGY BRANCH  
USA FETAC  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 STATION NAME SOUTH TOWER 78-80 YEARS JUL MONTH  
1500-1700 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.4	1.3	1.3	2.1	.9	.4						6.4	11.6
NNE		1.7	.9	3.9	.9							7.3	10.9
NE	.9	1.7	1.7	.9	1.3							6.4	9.1
ENE	.9	.9	3.9	2.1	2.1							9.9	10.7
E	.9	3.0	2.6	1.7	1.7							9.9	9.5
ESE	.4	2.1	1.7	.4								4.7	7.2
SE	.9	1.7	3.0	2.6	3.0	.9						12.0	12.4
SSE	.4	1.3	3.0	3.9			.4					9.0	10.2
S	.4	4.3	1.7	.4			.9					7.7	9.1
SSW	.9	1.3	.9	.4	.4							3.9	7.7
SW	.4		.4									.9	4.5
WSW	.9	1.7	1.3									3.9	5.1
W	.9	3.0	.9									4.7	5.0
WNW		.4										.4	4.0
NW		1.7		1.7	.9	.4						4.7	12.2
NNW	.4		1.3	3.4	2.6	.4						8.2	14.5
VARBL													
CALM													
	8.6	26.2	24.5	23.6	13.7	2.1	1.3					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 233

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00092 STATION MAUI OPTICAL SITE HI SOUTH TOWER 79-80 YEARS  
ALL WEATHER CLASS  
1800-2000 HOURS (L.S.T.)  
JUL MONTH

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.9	2.2	.9							5.2	11.4
NNE	.9	.9	.4	3.0	.9							6.5	10.2
NE	.9	1.3	2.6	3.4	1.3	.4						9.9	12.1
ENE		4.3	2.2	3.9	1.3	.4						12.1	10.6
E		2.2	3.9	2.2	1.3							9.5	10.3
ESE		1.3	1.7	1.7	.9							5.6	10.8
SE	.9	4.3	3.4	5.2	.9							14.7	9.6
SSE	.9	1.7	1.3	4.3	.4	.9						9.5	11.2
S	.4	1.3	3.0	1.3	.4							6.5	8.9
SSW	.4	1.7										2.2	4.6
SW		.9	.4									1.3	6.3
WSW		.9		.4								1.3	7.7
W	.4	.9	.4									1.7	5.0
WNW	.4	1.3	.9									2.6	6.0
NW	.9	1.7	.4	.4								3.4	5.6
NNW		.4	1.3	2.2	2.2	1.7	.9					8.6	17.7
VARBL													
CALM													
	6.5	25.9	22.4	30.2	10.3	3.4	.9					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 232

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80

STATION

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.4	.9	.4							2.6	10.5
NNE		.9	.4	5.2	.9							7.4	13.3
NE	.4	2.2	2.2	3.5	2.2							10.4	11.0
ENE		1.3	4.3	3.0	.9							9.5	10.2
E		1.3	1.7	4.3	1.7	.9						0.0	13.5
ESE		3.5	6.5	2.2								12.1	8.6
SE	.4	3.5	4.8	9.5		.9						19.0	10.5
SSE	.4	1.7	2.2	3.5	.4	.4						8.7	11.2
S		.4	1.3	2.2		.4		.4				4.8	13.7
SSW		.9										.9	5.0
SW	.4	.9	.4									1.7	5.3
WSW													
W		.9										.9	5.0
WNW		1.3										1.3	6.0
NW		.9	1.3		.9							3.3	10.3
NNW		.9	.9	2.6	1.7	1.3	.4					7.8	15.3
VARBL													
CALM													
	2.2	22.8	26.4	36.8	9.1	3.9	.4	.4				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

231

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 73-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
JUL  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	.8	.8	1.4	.8	.4	.1					4.7	12.5
NNE	.3	1.0	1.0	2.8	.8	.1						5.9	11.5
NE	.4	1.3	1.7	2.9	1.2	.1						7.7	11.2
ENE	.2	1.7	3.5	2.7	1.4	.2						9.7	10.8
E	.2	2.6	3.9	3.2	1.6	.4						11.8	10.8
ESE	.2	2.3	3.8	1.4	.3							8.0	8.7
SE	.6	2.7	5.3	5.4	1.3	.3						15.6	10.4
SSE	.4	1.3	2.1	3.5	1.0	.9	.1	.1				9.4	12.4
S	.3	2.0	2.0	1.5	.4	.1	.1	.1				6.5	9.6
SSW	.2	1.1	.7	.3	.1							2.4	7.5
SW	.3	.9	.4		.1							1.7	5.6
WSW	.5	1.0	.3	.1								1.8	4.9
W	.4	1.3	.4	.1								2.2	5.2
WNW	.2	1.1	.5		.1							2.0	6.3
NW	.3	.7	.9	.9	.7	.4	.1	.1				4.0	12.4
NNW	.2	.5	.8	2.0	2.1	.8	.3					6.7	15.5
VARBL													
CALM													
	5.2	22.4	28.2	28.1	11.7	3.6	.6	.2				120.0	10.7

TOTAL NUMBER OF OBSERVATIONS 1838

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS AUG MONTH

0000-0200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.4										2.8	5.0
NNE		.5	.9									1.4	7.0
NE	.9	1.9	1.9	.5		.5						5.7	8.0
ENE	.5	4.2	3.3	9.9	1.9	1.4						21.2	11.4
E	.9	4.2	4.2	5.2	1.9							16.5	9.5
ESE	1.9	3.3	6.6	3.8	.5							16.0	8.3
SE	1.4	2.4	2.4	3.3	1.4							10.8	10.3
SSE	1.9	1.4	1.4	.9	.9	.9						7.5	9.7
S	1.4	.9	1.4		.5							4.2	7.1
SSW	2.4		1.4									3.8	4.4
SW	.5	.9	1.9									3.3	6.3
WSW	.9											.9	3.0
W	1.4			1.4								2.8	7.5
WNW	1.4	.5										1.9	3.0
NW	.5											.5	3.0
NNW		.5										.5	4.0
VARBL													
CALM													
	16.5	23.1	25.5	25.0	7.1	2.8						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

212

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS AUG MONTH  
0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.9	.5									2.8	4.3
NNE	.9	1.4	1.9	1.4								5.7	7.7
NE	.9	.9	2.8	.9								5.7	7.3
ENE	.5	3.8	6.6	6.6	1.9	1.4						20.8	11.2
E	.9	1.9	7.5	2.8	.9							14.2	9.0
ESE	1.4	.9	3.3	2.8								8.5	9.0
SE	1.4	4.2	4.2	4.7	.9							15.6	9.3
SSE	.5	.5	1.4	.5	1.4							4.2	11.6
S	.9	2.4	1.9									5.2	5.5
SSW	.9	.9	1.4									3.3	5.1
SW	.5		.5	.9								1.9	10.3
WSW	2.8	.5										3.3	2.4
W	1.4	.5		.9								2.8	5.5
WNW	.5	1.9		.5								2.8	5.2
NW													
NNW	2.4	.5		.5								3.3	4.3
VARBL													
CALM													
	17.5	21.2	32.1	22.6	5.2	1.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 212

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00092 STATION MAUI OPTICAL SITE HI SOUTH TOWER STATION NAME 78-80 YEARS ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9		.9								2.8	7.2
NNE		1.4	.9		.5							2.8	7.7
NE	.5	2.8	1.9	.9		.5						6.6	8.0
ENE	.9	3.3	6.6	9.4	1.4		.5					22.2	10.9
E	.9	2.4	9.4	6.6	.5							19.8	9.5
ESE	2.8	3.3	1.9	3.8	1.9							13.7	9.1
SE	1.4	2.4	.9	1.4	1.9	.5						8.5	10.0
SSE	.9	.5		.9	.5							2.8	9.2
S	1.9	.9		.5								3.3	5.0
SSW	2.4											2.4	2.0
SW	1.4	1.4										2.8	4.0
WSW	2.4		.5	1.4								4.2	7.2
W	1.9	.5	.5									2.8	4.2
WNW	2.4	1.9		.5								4.7	4.4
NW	.5											.5	2.0
NNW													
VARBL													
CALM													
	20.3	22.6	22.6	26.4	6.6	.9	.5					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 212

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
AUG  
MONTH  
0900-1100  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0		.5		.5							1.9	7.5
NNE	.5	.5	2.9	.5								4.3	7.1
NE	1.0	4.3	2.9	1.0								9.1	6.2
ENE	.5	2.4	7.7	5.7	1.9		1.0	.5				19.6	12.0
E	1.0	3.8	4.3	4.3	2.4	.5						16.3	10.3
ESE	.5	1.4	.5	1.9	1.0	.5						5.7	11.8
SE	1.0	2.9	.5	2.4	1.4	2.4						10.5	12.7
SSE	1.0	1.9	.5	1.0								4.3	6.7
S	.5	1.4	1.4	1.0	.5							4.8	8.7
SSW	1.9	4.3		.5								6.7	4.5
SW	1.4	1.4										2.9	3.8
WSW	1.0	1.0	1.0	.5								3.3	5.6
W	1.4	1.0	1.0	.5								3.8	5.4
WNW	2.9	.5	1.0									4.3	4.2
NW	1.0											1.0	3.0
NNW		1.4										1.4	4.3
VARB													
CALM													
	16.3	28.2	23.9	19.1	7.7	3.3	1.0	.5				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 209



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00072 STATION NAME MAUI OPTICAL SITE HI SOUTH TOWER YEARS 78-80 MONTH AUG  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	.9									2.4	5.8
NNE		2.8		.5								3.3	6.1
NE	.5	2.4	3.8	.9			.5					8.1	8.9
ENE	1.4	3.3	6.2	3.8	1.9	.5						17.1	9.9
E	.9	1.9	4.7	1.9	1.9							11.4	9.9
ESE	.5		1.4	3.3	.9	.5						6.6	13.3
SE	.5	2.8	.5	.9	.9	.9						6.6	10.5
SSE	1.9	3.3	.9	.9		.5						7.6	7.4
S	.9	2.4	2.4	1.9		.5						8.1	8.6
SSW	.9	2.4	.9	.9								5.2	6.5
SW	1.9	.9	.5									3.3	3.7
WSW	1.9	1.4	1.4									4.7	4.7
W	2.4	2.4	.9	.5								6.2	4.9
WNW	1.9	1.9	.9									4.7	4.5
NW	.5	1.4	.9	.5								3.3	6.7
NNW		.9	.5									1.4	6.3
VARBL													
CALM													
	16.1	31.8	27.0	16.1	5.7	2.8	.5					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 211

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

78-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0									3.9	5.0
NNE		1.0	.5									1.5	5.3
NE	.5	2.4	5.4	3.4								11.7	9.2
ENE	1.0	4.4	6.3	2.0		1.0	.5					15.1	9.8
E	1.0	3.4	3.4	2.0	1.0	1.0						11.7	9.6
ESE	.5	2.0	2.9	2.9	1.0		.5					9.8	11.0
SE	.5	1.5	2.0	.5	1.0	1.0						6.3	11.8
SSE		1.0	.5	2.4		.5						4.4	12.0
S	.5	3.4	1.0	.5	1.0	.5						6.8	8.7
SSW	2.0	3.4	1.5	.5								7.3	5.9
SW	2.9	2.9		.5								6.3	4.5
WSW	.5	2.9		.5	.5							4.4	6.8
W	.5	2.0	1.0	1.0								4.4	6.8
WNW	1.0	2.9										3.9	4.5
NW	.5	1.0										1.5	4.3
NNW	1.0											1.0	3.0
VARBL													
CALM													
	13.2	36.1	25.4	16.1	4.4	3.9	1.0					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

205

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00032 STATION MAUI OPTICAL SITE HT SOUTH TOWER 78-80 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH  
1800-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.0									1.4	7.3
NNE	1.9	1.9	1.9	.5								6.3	5.6
NE	.5	1.0	6.3	1.4	.5							9.7	9.1
ENE	1.0	3.9	8.2	7.2	1.4	.5	1.0					23.2	11.1
E	1.0	1.9	4.3	3.4	1.0							11.6	9.5
ESE	.5	2.4	2.9	3.4	.5	.5						10.1	10.4
SE	1.0	2.4	3.4	1.4	1.4	1.0						10.6	11.1
SSE	1.0	.5	1.9	1.4								4.8	8.3
S	1.4	.5	1.4	.5	.5	1.0						5.3	10.1
SSW	.5	1.9			.5							2.9	6.2
SW	2.4	1.9	1.0	.5								5.8	4.8
WSW	1.0		1.0									1.9	4.5
W	2.4		1.0	.5								3.9	4.5
WNW	.5											.5	2.0
NW	.5	1.0										1.4	4.0
NNW		.5										.5	5.0
VARBL													
CALM													
	15.5	20.3	34.3	20.3	5.8	2.9	1.0					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 207

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-80 YEARS AUG MONTH  
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.4	.5									4.8	4.2
NNE		.5	1.4	.5								2.4	8.4
NE	.5	2.9	1.4	.5	1.4							6.8	9.2
ENE		4.3	7.2	10.1	1.4	1.4	.5					25.1	11.9
E	.5	3.4	3.9	6.3								14.0	9.1
ESE		1.4	3.4	4.8	2.4	.5						12.6	12.5
SE	1.0	1.4	3.4	1.4	1.9	1.0						10.1	11.7
SSE	1.0	1.4	1.9	2.9	.5	.5						8.2	10.5
S	.5	1.0	1.4		1.0							3.9	8.8
SSW	1.0	1.4	.5									2.9	4.3
SW	1.4	1.4	1.0									3.9	4.6
WSW	.5											.5	1.0
W		.5	.5	1.4								2.4	10.4
WNW	1.0											1.0	2.0
NW	1.0											1.0	2.5
NNW	.5											.5	3.0
VARBL													
CALM													
	10.6	22.2	26.6	28.0	8.7	3.4	.5					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 207

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00022 MAUI OPTICAL SITE HI SOUTH TOWER 78-80  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
AUG  
MONTH  
ALL  
HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	.5	.1	.1							2.9	5.5
NNE	.4	1.3	1.3	.4	.1							3.5	6.8
NE	.7	2.3	3.3	1.2	.2	.1	.1					7.9	8.3
ENE	.7	3.7	6.5	6.9	1.5	.8	.4	.1				20.5	11.1
E	.9	2.9	5.3	4.1	1.2	.2						14.4	9.6
ESE	1.0	1.9	2.9	3.3	1.0	.2	.1					10.4	10.4
SE	1.0	2.5	2.1	2.0	1.4	.8						9.9	10.8
SSE	1.0	1.3	1.1	1.4	.4	.3						5.5	9.4
S	1.0	1.6	1.4	.5	.4	.2						5.2	8.0
SSW	1.5	1.9	.7	.2	.1							4.3	5.1
SW	1.6	1.4	.6	.2								3.8	5.0
WSW	1.4	.7	.5	.3	.1							2.9	5.2
W	1.4	.8	.6	.8								3.6	5.9
WNW	1.4	1.2	.2	.1								3.0	4.2
NW	.5	.4	.1	.1								1.1	4.6
NNW	.5	.5	.1	.1								1.1	4.4
VARBL													
CALM													
	15.8	25.7	27.2	21.7	6.4	2.7	.5	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1675

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6										1.2	3.5
NNE		.6	3.0	1.8	.6							6.0	11.0
NE	.6	.6	3.0	6.6	5.4	.6						16.9	13.9
ENE	.6	3.0	6.6	13.9	10.2	2.4						36.7	14.1
E		.6	4.2	8.4	6.6	.6						20.5	14.1
ESE			3.0	3.0	.6							6.6	11.6
SE	.6	.6	1.2	1.2	.6	.6						4.8	11.8
SSE													
S	.6	.6										1.2	4.5
SSW		.6	1.2									1.8	6.7
SW	.6											.6	1.0
WSW	.6		.6									1.2	4.5
W													
WNW	.6											.6	3.0
NW		.6										.6	3.0
NNW	1.2											1.2	2.0
VARBL													
CALM													
	6.0	7.8	22.9	34.9	24.1	4.2						100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 166

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00022 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.2	.6								1.8	8.7
NNE		1.8	2.4	.6	1.2							6.0	10.5
NE		.6	4.2	7.1	4.8	.6						17.3	13.4
ENE		4.8	9.5	10.7	8.9							33.9	12.3
E		1.2	7.1	10.1	3.6							22.0	12.0
ESE	.6	1.8	1.8	3.0	.6							7.7	9.8
SE		.6		2.4								3.0	11.6
SSE		.6	1.2									1.8	6.3
S		.6										.6	6.0
SSW	.6	.6										1.2	3.0
SW		1.2										1.2	4.5
WSW	.6											.6	1.0
W		1.2										1.2	5.0
WNW			.6									.6	10.0
NW		.6	.6									1.2	6.0
NNW													
VARBL													
CALM													
	1.8	15.5	28.6	34.5	19.7	.6						100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 168

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS SEP MONTH  
0600-0800 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.2									2.4	5.8
NNE	.6	1.2	3.6	3.6		.6						9.6	10.4
NE		2.4	4.2	5.4	4.8	1.2						18.1	13.1
ENE		1.8	10.2	15.1	8.4	1.2						36.7	13.1
E		1.2	3.0	7.8	3.6	1.8						17.5	13.8
ESE			2.4	1.8	1.2							5.4	12.1
SE	.5	1.8	1.2	1.2								4.8	7.6
SSE	.5	.6										1.2	3.5
S													
SSW	.6											.5	2.5
SW													
WSW	.6											.5	3.2
W	.6											.6	3.4
WNW	1.2	.6										1.8	3.3
NW													
NNW		.6										.6	6.0
VARBL													
CALM													
	5.4	10.8	25.9	34.9	18.1	4.8						100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 166



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
SEP  
MONTH  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		1.8										1.8	5.3
NNE	.6	.6	1.8	4.2	1.8	1.2						10.2	13.4
NE		1.2	3.0	7.8	2.4	1.2						15.6	13.2
ENE		1.8	9.0	12.6	5.4	2.4	.6					31.7	13.6
E	.6	1.2	2.4	6.0	4.2	1.8						16.2	14.1
ESE		.6	3.0	1.8	1.8							7.2	11.5
SE	.6	.6	1.8	.6								3.6	7.8
SSE		.6	1.2									1.8	4.3
S	1.2	1.8										3.0	4.2
SSW	.6											.6	2.0
SW		.6										.6	5.0
WSW	.6											.6	3.0
W	1.2	.6										1.8	3.3
WNW	.6	1.8										2.4	4.0
NW	1.2	1.8										3.0	3.8
NNW													
VARBL													
CALM													
	7.8	15.6	21.0	32.9	15.6	6.6	.6					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 167

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 SEP  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.8		.6							4.3	8.1
NNE	.6	1.2	2.4	4.9	1.2	.6						11.0	11.1
NE		2.4	9.1	3.7	3.0	.6						18.9	10.9
ENE		1.8	7.9	12.8	4.3	1.8						28.7	13.1
E		1.2	4.3	4.9	2.4							12.8	12.2
ESE			1.8	3.0								4.9	10.6
SE	.6	.6	2.4	1.2								4.9	7.8
SSE		.6	1.2									1.8	7.3
S		1.8										1.8	5.0
SSW													
SW		.6										.6	4.0
WSW	1.2	.6										1.8	3.3
W	1.8	.6										2.4	3.3
WNW	1.2	.6	.6									2.4	4.5
NW		1.2	1.2									2.4	6.3
NNW	.6	.6										1.2	4.0
VARBL													
CALM													
	6.7	15.2	32.9	30.5	11.6	3.0						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 164

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS SEP MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.0	3.6	.6								7.2	7.7
NNE		3.0	3.6	6.0	3.6							16.3	12.1
NE		.6	4.8	9.0	2.4	1.2						18.1	13.3
ENE	.6	1.2	9.6	14.5	2.4	.6	.6					29.5	12.1
E		1.8	2.4	3.6	2.4	1.2						11.4	13.5
ESE	.6	.6	1.8	1.8								4.8	8.8
SE	.6		1.2									1.8	6.0
SSE		1.8	.6									2.4	5.8
S	1.8											1.8	2.3
SSW	.6											.6	3.0
SW			.6									.6	7.0
WSW			.6									.6	7.0
W	.6	.6										1.2	4.0
WNW	1.2	.6										1.8	3.0
NW		.6										.6	5.0
NNW	.6			.6								1.2	7.0
VARBL													
CALM													
	6.6	13.9	29.9	36.1	10.8	3.0	.6					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS SEP MONTH  
1800-2000 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		1.2	2.4	1.8								5.4	9.3
NNE		.6	1.2	7.8	3.0							13.3	13.3
NE		1.2	4.2	9.0	6.0	3.0						23.5	14.8
ENE	.6	.6	5.4	16.9	6.6	3.6						33.7	14.9
E		.6	1.8	2.4	3.6							8.4	13.4
ESE		.6	.6	4.2	.6							6.0	12.2
SE			.6									.6	7.0
SSE	1.2	.6	.6									2.4	5.0
S		2.4										2.4	5.3
SSW													
SW													
WSW		.6										.6	4.0
W													
WNW	.6		.6									1.2	5.0
NW	.6		.6									1.2	4.0
NNW			1.2									1.2	7.5
VARBL													
CALM													
	3.0	8.4	19.9	42.2	19.9	6.6						100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 166

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

00092 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS SEP MONTH  
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE		.6	3.6	4.8	1.2	.6						10.8	13.0
NE	.6	2.4	2.4	9.0	6.0	1.2						21.7	13.4
ENE	1.2	.6	6.6	15.1	12.0	3.0	.6					39.2	14.7
E	.6	1.8	.6	3.6	6.0	2.4						15.1	15.7
ESE			2.4	1.2								3.6	10.5
SE	1.2		.6	1.2								3.0	8.4
SSE	.6											.6	3.0
S	.6											.6	3.0
SSW		1.2	.6									1.8	6.3
SW													
WSW													
W		.6										.6	4.0
WNW													
NW			1.2									1.2	7.5
NNW	.6	.6										1.2	4.5
VARBL													
CALM													
	6.0	7.8	18.1	34.9	25.3	7.2	.6					100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
SEP  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.3	.4	.1							3.1	7.5
NNE	.2	1.2	2.8	4.2	1.6	.4						10.4	12.0
NE	.2	1.4	4.4	7.2	4.4	1.2						18.7	13.3
ENE	.4	2.0	8.1	13.9	7.3	1.9	.2					33.8	13.5
E	.2	1.2	3.2	5.9	4.1	1.0						15.5	13.6
ESE	.2	.5	2.1	2.5	.6							5.8	10.9
SE	.5	.5	1.1	1.0	.1	.1						3.3	8.8
SSE	.4	.7	.5									1.5	5.4
S	.5	.9										1.4	4.3
SSW	.3	.3	.2									.8	4.7
SW	.1	.3	.1									.5	4.3
WSW	.5	.2	.2									.9	3.7
W	.5	.5										1.0	3.7
WNW	.7	.5	.2									1.4	4.2
NW	.2	.6	.5									1.3	5.2
NNW	.4	.2	.2	.1								.8	5.1
VARBL													
CALM													
	5.4	11.9	24.8	35.1	18.1	4.5	.2					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 1329

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS OCT MONTH  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	1.7	1.7								5.6	8.4
NNE		2.8	1.7	1.1								5.6	7.7
NE		.6	2.2	2.8	1.1	.6						7.2	13.2
ENE	.6	1.7	5.6	3.9	2.2							13.9	11.0
E		1.1	3.9	6.1	2.2	2.8	1.1					17.2	15.5
ESE		.6	.6	2.8	1.1	1.1	.6					6.7	15.8
SE		.6	3.3	.6								4.4	8.4
SSE	.6	2.2	2.2	.6								5.6	7.1
S	.6	1.7	3.9	.6								6.7	7.3
SSW		3.9	2.2	.6								6.7	6.8
SW	.6	1.7	5.0	1.1								8.3	8.1
WSW	.6		.6									1.1	4.5
W													
WNW	.6	1.7	1.1									3.3	5.7
NW	.6	1.7	1.7									3.9	5.9
NNW		2.2	1.1	.6								3.9	7.0
VARBL													
CALM													
	3.9	24.4	36.7	22.2	6.7	4.4	1.7					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
OCT MONTH  
0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.2	1.1	1.1								4.5	8.4
NNE	.6	1.1	3.4	1.1		.6						6.7	8.8
NE			5.1	2.2	1.1	.6						9.0	12.4
ENE		2.2	5.6	14.0	.6	1.7						24.2	12.2
E		1.1	1.7	1.1	2.2	2.2	.6					9.0	16.8
ESE			1.1		1.1	1.1	.6					3.9	18.7
SE		.6	.6	.6								1.7	8.7
SSE	.6	1.1	.6	1.7								3.9	7.4
S		2.8	.6	3.4								6.7	8.8
SSW	1.1	1.7	4.5	1.7								9.0	8.0
SW		2.2	2.8	1.7								6.7	6.3
WSW		1.1	1.7									2.8	7.4
W	.6	1.1	.6									2.2	5.0
WNW		.6	.6									1.1	7.0
NW	.6			.6								1.1	6.0
NNW		1.7	3.4	1.7	.6							7.3	9.0
VARBL													
CALM													
	3.4	19.7	33.1	30.9	5.6	6.2	1.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 178



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 STATION NAME YEARS  
CLASS ALL WEATHER  
CONDITION  
MONTH OCT  
HOURS (L.S.T.) 0600-0800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.1	.6								3.4	7.5
NNE		1.7	2.3	1.7	2.8							8.5	12.3
NE	.6	1.1	2.8	3.4	.6	.6						9.0	11.2
ENE		2.3	3.4	9.6	1.1							16.4	11.1
E			2.8	3.4	2.8	1.1	.6	.6				11.3	15.1
ESE		.6	2.3	2.8	.6	1.1	.6					7.9	14.0
SE	1.1	.6	1.7	.6								4.0	6.9
SSE	.6	1.7	1.7	.6								4.5	6.4
S		1.1	2.3	2.3								5.6	9.3
SSW	1.1	.6	3.4	3.4	.6							9.0	9.3
SW	.6	1.7	2.8	1.7								6.8	8.3
WSW		1.1	.6	.6								2.3	7.5
W	1.1	1.1										2.3	4.3
WNW	1.7	.6										2.3	3.8
NW	1.1	.6	.6	1.1								3.4	6.8
NNW	.6		1.1	1.7								3.4	9.8
VARBL													
CALM													
	9.0	15.8	28.8	33.3	8.5	2.8	1.1	.6				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS OCT MONTH  
0900-1100 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.1	1.1	.5							4.4	9.1
NNE		2.2	1.1	4.9	1.1							9.3	11.5
NE		1.6	4.9	2.2	1.1							9.9	10.1
ENE		3.8	2.7	4.9	.5	.5						12.6	10.2
E		1.6	2.2	1.1	1.6	2.2	2.2					11.0	17.9
ESE		.5	2.2	2.2		1.1						6.0	12.5
SE	.5	2.2	1.6	.5								4.9	6.4
SSE		3.3	1.1	1.1	.5							6.0	7.9
S	.5	2.7	3.3	.5	1.1							8.2	8.8
SSW	1.1	2.7	4.4	2.2								10.4	7.9
SW	1.1	.5	2.2	1.1								4.9	7.4
WSW	.5	1.1	1.6									3.3	6.2
W	1.1	1.1	.5	.5								3.3	5.8
WNW		1.6										1.6	5.3
NW		2.2										2.2	5.3
NNW		1.1	.5									1.6	6.0
VARBL													
CALM													
	6.5	29.7	29.7	22.5	6.6	3.8	2.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 182

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER STATION NAME 78-79 YEARS  
ALL WEATHER CLASS  
OCT MONTH  
1200-1400 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	3.3	.5								5.4	7.5
NNE	.5	3.8	2.2	2.7	.5							9.8	8.3
NE	.5	1.1	1.6	1.6	1.1							6.0	10.3
ENE		1.1	3.3	4.9		.5						9.8	11.4
E	.5	1.1	2.7	2.7	1.1	3.3						11.4	14.2
ESE		.5	.5	.5	1.1	.5	.5					3.8	17.6
SE	1.1	.5	1.6		.5							3.8	7.4
SSE		.5	2.2	.5								3.3	9.2
S	2.2	4.3	3.3	1.6								11.4	6.7
SSW	1.1	2.7	3.8	2.2								9.8	8.4
SW	3.3	1.6	2.7	1.1								8.7	6.1
WSW	1.1	1.1	1.6	.5								4.3	6.6
W	1.5	1.6	.5									3.8	4.7
WNW		1.1	.5									1.6	6.3
NW	1.6	1.6	.5	.5								4.3	5.3
NNW	.5	1.6	.5									2.7	5.2
VARBL													
CALM													
	14.1	26.1	31.0	19.6	4.3	4.3	.5					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 184

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79 OCT  
STATION STATION NAME YEARS MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	2.7	1.1								6.0	8.3
NNE	1.1	2.2	2.2	2.2	2.2							9.8	10.4
NE	1.6	1.6	1.6	5.4	.5							10.9	9.7
ENE		3.3	4.3	2.2	.5							10.3	9.2
E	.5	1.1	2.2	3.8	2.2	2.7	1.1					13.6	15.8
ESE	.5	1.6			.5		.5					3.3	11.5
SE	.5	2.2	1.6	.5								4.9	6.3
SSE	.5	2.7	1.6	.5								5.1	6.4
S	.5	2.2	1.6									4.3	6.0
SSW	2.2	1.1	3.8	3.3								10.3	8.4
SW	.5	2.2	.5	2.2								5.4	7.8
WSW	1.6	1.6	1.1									4.3	4.5
W	.5	2.2	1.1									3.8	5.9
WNW		2.7	1.1									3.8	5.3
NW	.5	1.6										2.2	4.3
NNW	1.1		.5									1.6	5.3
VARBL													
CALM													
	12.0	30.4	26.1	21.2	6.0	2.7	1.6					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 184

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HT SOUTH TOWER 78-79

STATION

STATION NAME

YEARS

OCT

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	1.6	.5	.5							4.9	8.9
NNE			.5	4.9	.5							6.0	13.5
NE		.5	2.7	4.9	1.1							9.3	12.1
ENE	.5	1.1	3.3	6.6	4.9							16.5	13.1
E	.5	2.2	1.1	3.8	2.2	2.2	1.6	1.1				14.8	17.1
ESE	1.6		.5	2.7	1.1	.5						6.6	11.9
SE	.5		1.1		.5							2.2	9.3
SSE	.5		.5									1.1	5.0
S	1.6	2.2	2.2	.5								6.6	5.8
SSW	.5	2.7	1.6	1.6								6.6	7.2
SW	1.6	3.8	1.6	1.1								8.2	6.4
WSW		1.6		1.1								2.7	8.6
W	2.7	1.1										3.8	3.1
WNW	2.7											2.7	2.4
NW	.5	.5	2.2									3.3	6.0
NNW		1.1	2.7	.5								4.4	8.1
VARBL													
CALM													
	14.3	18.7	22.0	28.6	11.0	2.7	1.6	1.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

182

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0002 STATION NAME MAUI OPTICAL SITE HI SOUTH TOWER YEARS 78-79 MONTH OCT  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDIVION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7	5.0	1.1								7.7	8.1
NNE			4.4	2.2								6.6	10.1
NE	.6		3.3	2.2	1.7							7.7	11.6
ENE		1.1	5.0	6.6	3.3	.6						16.6	12.6
E	1.7	.6	1.1	6.1	3.3	4.4	.6	.6				18.2	16.4
ESE			.6	3.9	.6		1.1					6.1	17.8
SE		1.1	2.2	.6								3.9	7.3
SSE	1.1	1.1	1.7	.6								4.4	6.8
S		1.3	2.8	.6								6.6	7.4
SSW	2.2		2.8	.6								6.1	6.1
SW	1.1	3.3	1.1	1.1								6.6	6.1
WSW	.6	.6	1.7	1.1								3.9	8.3
W		.6										.6	4.0
WNW	1.1	1.1	.6									2.8	4.8
NW			.6									.6	7.5
NNW		.6	.6	.6								1.7	8.0
VARBL													
CALM													
	8.8	14.9	33.1	27.1	9.8	5.0	1.7	.6				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 181

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79

OCT

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.2	1.0	.1							5.2	8.3
NNE	.3	1.7	2.2	2.6	.9	.1						7.8	10.4
NE	.4	.9	3.0	3.1	1.0	.2						8.6	11.2
ENE	.1	2.1	4.1	6.6	1.7	.4						15.0	11.5
E	.4	1.1	2.2	3.5	2.2	2.6	1.0	.3				13.3	16.2
ESE	.3	.5	1.0	1.9	.9	.7	.5					5.5	14.8
SE	.5	1.7	1.7	.4	.1							3.7	7.3
SSE	.5	1.6	1.5	.7	.1							4.3	7.1
S	.7	2.6	2.5	1.2	.1							7.0	7.5
SSW	1.2	1.9	3.3	1.9	.1							8.5	7.9
SW	1.1	2.1	2.3	1.4								7.3	7.3
WSW	.6	1.0	1.1	.4								3.1	6.7
W	1.0	1.1	.3	.1								2.5	4.8
WNW	.8	1.2	.5									2.4	4.8
NW	.6	1.0	.7	.3								2.6	5.7
NNW	.3	1.0	1.3	.6	.1							3.3	7.8
VARBL													
CALM													
	8.9	22.5	30.0	25.6	7.2	4.0	1.5	.3				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

1448

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.4	3.0									7.2	6.5
NNE	2.4	1.8	1.2	.6								6.3	5.0
NE	1.2	1.2	1.2	3.6	1.8							9.0	10.8
ENE		1.2	1.8	3.0	1.2	1.2						8.4	13.1
E		1.8	3.0	7.2	3.0	1.8						16.9	13.8
ESE		1.2	2.4	3.0	1.8	1.2						9.6	13.3
SE	.6	.6		1.2								2.4	8.0
SSE	1.2	.6										1.8	2.3
S			.6	.6								1.2	10.5
SSW		1.8	.6	.6	1.8	1.2	.6					6.6	16.5
SW		1.2	3.6	1.2	.6							6.5	9.9
WSW		1.2	1.2	1.2	1.2	.6	.6					6.0	14.2
W		.6	1.2	3.0	1.2							6.0	12.1
WNW	1.2	2.4	.6		.6							4.8	5.9
NW	.6	3.6										4.2	4.7
NNW	1.8	1.2										3.3	3.0
VARBL													
CALM													
	10.8	22.9	20.5	25.3	13.3	6.0	1.2					100.3	10.7

TOTAL NUMBER OF OBSERVATIONS 166



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

07032 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV MONTH  
0300-0500 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6	2.4								3.6	11.5
NNE	.6	1.8	3.0									5.5	6.9
NE	.6	.6	1.8	3.0		.6						6.7	11.5
ENE		.6	5.5	3.0	2.4	.6						12.1	12.6
E	.6	1.2	4.2	5.5	2.4							13.9	11.4
ESE	1.8	1.2	3.0	4.2	.6	1.2						12.1	11.5
SE		.6	.6	2.4		.6						4.2	11.9
SSE	.6		.6			1.2						2.4	14.0
S						1.2						1.2	26.5
SSW			2.4	1.8			1.2					5.5	14.8
SW	1.2		2.4	1.8	.6							6.1	10.0
WSW	.6	.6		1.2	.6							3.0	10.4
W	1.8	.6	5.5	3.6								11.5	8.9
WNW	.6	2.4	2.4	1.2		.6						7.3	9.3
NW		.6	.6	1.2								2.4	9.0
NNW		1.2	.6	.6								2.4	7.8
VARBL													
CALM													
	9.1	11.5	33.3	32.1	6.7	6.1	1.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 165

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 78-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.2	1.2		.6						5.5	8.8
NNE		.6	1.2	.6	.6							3.0	11.0
NE		1.8	.6	3.0	.6							6.1	10.8
ENE		3.0	2.4	6.7	1.8							14.0	11.1
E	.6	3.0	4.3	1.2	.6	.6	.6					11.0	10.3
ESE	.6	2.4	1.8	3.7	2.4	.6						11.6	12.2
SE	1.2	.6	1.2	1.2	2.4	1.8						8.5	14.4
SSE			.6									.6	7.0
S	.6	1.2	2.4	.6	.6		1.2					6.7	12.9
SSW			1.2									1.2	7.0
SW	.6		1.2	3.0								4.9	10.4
WSW	.6	.6	.6	2.4								4.3	9.7
W		1.2	3.0	3.0								7.3	9.1
WNW	2.4	1.2	.6	2.4								6.7	7.1
NW	.6	2.4	.6	.6								4.3	6.4
NNW		1.2	2.4		.6							4.3	8.6
VARBL													
CALM													
	8.5	20.7	25.6	29.9	9.8	3.7	1.8					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 164

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00032 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	1.2	3.0	1.8									6.0	5.2
NNE	.6	2.4	.6		.6							4.2	6.9
NE	1.2	.6			.6							2.4	7.0
ENE	1.2	1.2	1.8	1.2	3.0							8.4	11.3
E		1.8	4.2	7.2	.6		.6					14.5	12.3
ESE		1.8	1.8	3.6	1.8							9.0	12.0
SE		1.8	.6	1.8	1.2	.6	1.2					7.2	15.2
SSE		1.2	3.0									4.2	8.3
S		1.2	1.2				.6					3.0	10.6
SSW	.6	2.4	1.2				1.2					5.4	11.6
SW	.6	1.2	1.2	3.0								6.0	9.6
WSW	.6	1.8	3.0	.6	1.8							7.8	10.1
W	1.2	2.4	1.8	2.4								7.8	7.8
WNW	1.8	.6										2.4	3.0
NW	1.8	2.4	.6	.6								5.4	5.3
NNW	3.0	1.8	.6		.6							6.0	5.0
VARBL													
CALM													
	13.9	27.7	23.5	20.5	10.2	.6	3.6					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 166

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV  
MONTH  
1200-1400  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2		.6								3.0	5.4
NNE	.6		.6	.6								1.8	8.0
NE	.6	.6	.6	1.8	1.2	.6						5.4	13.0
ENE	.6	1.8	3.0	2.4		.6						8.4	9.7
E		1.8	2.4	4.2	1.2	.6						10.2	12.2
ESE	2.4	1.8	.6	3.0	1.8							9.5	9.7
SE			1.2	3.6	1.2		.6					6.6	14.9
SSE	.6	1.2	.6	1.8	.6	1.2	.6					6.6	14.3
S		1.2	1.8	.6								3.6	8.3
SSW	2.4	1.8	.6	.6		1.2						6.6	8.9
SW	.6	2.4	.6	1.2	1.8							6.6	9.9
WSW	.6	1.8	1.8	3.6		1.2						9.0	11.9
W	1.8	4.2	3.6	1.2								10.8	7.2
WNW	1.8	3.6	.6	.6								6.6	5.2
NW	.6	1.2	1.2									3.0	5.2
NNW	1.2	.6	.6									2.4	4.5
VARBL													
CALM													
	15.0	25.1	19.8	25.7	7.8	5.4	1.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 167

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV  
MONTH  
1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	2.5									4.9	5.6
NNE		.6	.6									1.2	7.0
NE		.6	1.2	1.2	1.2							4.3	11.4
ENE	.6	1.8	2.5	2.5	1.8	1.2						10.4	12.4
E		1.2	3.1	3.1	1.8	1.2						10.4	13.6
ESE	.6	1.8	.6	6.7	1.8							11.7	11.8
SE	.6	1.2	1.2	1.8	1.8							6.7	11.1
SSE		1.8	1.8	.6		.6						4.9	9.9
S		1.2	.6									1.8	6.3
SSW	1.2	2.5	.6			.6						4.9	7.0
SW		.6	1.2	.6	2.5	.6	.6					6.1	16.1
WSW	.6	.6	1.2	3.1		2.5						8.0	14.5
W	.6	2.5	2.5	.6								6.1	6.9
WNW	1.8	3.1	2.5									7.4	5.8
NW	1.8	4.9	1.2									8.0	4.8
NNW	.6	1.8	.6									3.1	4.8
VARBL													
CALM													
	9.8	27.6	23.9	20.2	11.0	6.7	.6					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 163

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.2	1.2									4.8	4.8
NNE	.6	1.2	1.8	.6								4.2	6.7
NE		.6	3.6		.6							4.8	9.4
ENE			4.2	3.6	3.0							10.7	12.6
E		.6	6.5	5.4	3.0	2.4	1.8					19.6	15.0
ESE		.6	2.4	3.0	1.2							7.1	12.1
SE	.6	.6	.6									1.8	4.7
SSE	.6	.6		.6	.6	1.2						3.6	15.3
S			.6	1.2								1.8	12.7
SSW	.6	1.2	1.8			.6						4.2	8.7
SW	1.2	1.2	1.2	.6	2.4	1.2						7.7	12.8
WSW	.6		1.8	3.0		1.2						6.5	13.5
W	1.8	3.0	.6	1.2	1.2	.6						8.3	8.7
WNW	1.2	1.8	2.4									5.4	5.6
NW	1.2	1.2	1.2	.6								4.2	6.0
NNW	1.2	4.2										5.4	5.2
VARBL													
CALM													
	11.9	17.9	29.8	19.6	11.9	7.1	1.8					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 168

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 78-79 YEARS NOV MONTH  
2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8	1.8									5.4	5.0
NNE		1.2	3.0									4.2	7.6
NE		2.4	1.8									4.2	6.7
ENE	.6	1.8	1.8	5.4	1.2	.6						11.4	11.6
E		1.8	3.0	4.8	4.2	4.2						18.0	15.5
ESE		2.4	3.0	4.8	1.2							11.4	10.6
SE	.6		1.8	1.2								3.6	10.0
SSE		.6										.6	6.0
S	.6		.6	.6								1.8	8.3
SSW		2.4	2.4	1.8		1.2	.6					8.4	12.1
SW	1.8	1.2	1.2	.6	1.8	1.2						7.8	11.4
WSW	.6	1.8	.6	2.4	.6	1.2	.6					7.8	13.8
W	.6	2.4	2.4									5.4	6.2
WNW	1.8	1.2	.6									3.6	4.3
NW	1.2	.6	1.8									3.6	5.3
NNW	1.8	.6	.6									3.0	3.8
VARBL													
CALM													
	11.4	22.2	26.3	21.6	9.0	8.4	1.2					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 167

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 00002 STATION NAME MAUI OPTICAL SITE HI SOUTH TOWER YEARS 78-79 MONTH NOV  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.5	1.5	.5		.1						5.1	6.5
NNE	.6	1.2	1.5	.3	.2							3.8	7.1
NE	.5	1.1	1.4	1.6	.8	.2						5.4	10.5
ENE	.4	1.4	2.9	3.5	1.8	.5						10.5	11.8
E	.2	1.7	3.8	4.8	2.1	1.4	.4					14.3	13.1
ESE	.7	1.7	2.0	4.0	1.6	.4						10.3	11.1
SE	.5	.7	.9	1.7	.8	.4	.2					5.1	12.6
SSE	.4	.8	.8	.4	.2	.5	.1					3.1	11.3
S	.2	.6	1.0	.5	.1	.2	.2					2.6	11.5
SSW	.6	1.5	1.4	.6	.2	.6	.5					5.4	11.5
SW	.8	1.7	1.6	1.5	1.2	.4	.1					6.5	11.3
WSW	.5	1.1	1.3	2.2	.5	.8	.2					6.6	12.5
W	1.7	2.1	2.6	1.9	.3	.1						7.9	8.3
WNW	1.6	2.7	1.2	.5	.1	.1						5.5	6.2
NW	1.7	2.1	.9	.4								4.4	5.6
NNW	1.2	1.6	.7	.1	.2							3.7	5.4
VARBL													
CALM													
	11.3	21.9	25.3	24.4	10.0	5.5	1.6					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 1326



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

00002 STATION MAUI OPTICAL SITE HT SOUTH TOWER 77-79 YEARS DEC MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	1.1	.6	1.1	.6	.6						4.5	10.8
NNE	.6	.6	.6	2.3	1.1	.6						5.6	12.8
NE	.6		1.7	2.8	2.8	3.4	1.7	.6				13.6	18.6
ENE	.6		5.1	3.4	3.4	1.1	.6	1.1				15.3	15.7
E	.6	.6	2.3	2.8	1.1							7.3	10.5
ESE		.6	.6	1.1	.6							2.8	11.0
SE	.6	.6		1.1								2.3	8.0
SSE	.6	.6	1.1	2.8								5.1	9.7
S		1.1	.6	2.8								4.5	10.4
SSW		2.3	.6	.6								3.4	7.2
SW		.6	2.8	1.7	1.1							6.2	11.9
WSW	1.1	.6	1.1	5.1	1.7							9.6	11.5
W	1.1	.6	.6	2.3	.6							5.1	9.8
WNW	.6	.6	2.3	1.1	.6							5.1	9.9
NW	1.1		.6	1.1	.6							3.4	9.0
NNW	1.7	1.7		1.7	.6	.6						6.2	9.8
VARBL													
CALM													
	9.6	11.3	20.3	33.9	14.7	6.2	2.3	1.7				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 77-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
DEC MONTH  
0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.7	.6	2.3			.6				6.2	14.5
NNE			1.1	1.7	2.3	1.7						6.8	17.3
NE			1.7	4.5	1.1	2.3	1.7					11.4	17.7
ENE			4.0	4.0	2.8	1.1		.6				12.5	15.1
E	.6	1.1	.6	2.8								5.1	9.7
ESE		2.3		2.3								4.5	8.9
SE	.6	2.8	.6	.6								4.5	6.3
SSE		.6		2.8								3.4	11.8
S	1.1	1.1	.6	1.1								4.0	7.1
SSW	.6	1.1	1.1	1.7		.6						5.1	9.7
SV	1.1	1.1	1.1	2.3	1.7	.6						8.0	11.9
WSW		3.4	1.1	1.7	.6							6.8	8.8
W	1.7	1.1	1.7	.6								5.1	3.3
WNW			1.7	.6	.6							2.8	11.4
NW	1.1	2.3	1.7	2.3	1.1							8.5	9.3
NNW	1.7		1.1	1.1	.6			.6				5.1	12.0
VARBL													
CALM													
	9.1	17.6	19.9	30.7	13.1	6.2	1.7	1.7				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

00002 STATION MAUI OPTICAL SITE HI SOUTH TOWER 77-79 YEARS DEC MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N		1.2	1.7	.6	.6		.6	.6				5.2	15.0
NNE	1.2		.6	4.6	2.9	1.2						10.4	14.3
NE		.6	1.7	2.9	1.2	3.5	.6					10.4	17.2
ENE			2.3	5.8	1.7	2.3	.6	.6				13.3	17.4
E	.6	1.2	3.5	1.2								6.4	8.2
ESE	.6	2.3	.6	1.7	.6							5.8	8.9
SE			2.3									2.3	8.3
SSE	.6	1.2	.6	.6								2.9	6.8
S		1.2	1.2			.6						2.9	9.8
SSW	.6	2.9	2.9	2.3	2.3							11.0	10.5
SW	.6	1.7	2.3		1.2							5.8	9.2
WSW	.6		1.2	1.7	.6	.6	.6					5.2	15.2
W	1.2		2.9	.6	.6				.6			5.8	12.1
WNW			2.3	1.7								4.0	11.1
NW	.6			1.7	.6							2.9	12.2
NNW		1.2	2.9	1.2		.6						5.8	9.8
VARBL													
CALM													
	6.4	13.3	28.9	26.6	12.1	8.7	2.3	1.2	.6			100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 173

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 00032 STATION NAME: MAUI OPTICAL SITE HI SOUTH TOWER YEARS: 77-79 MONTH: DEC  
CLASS: ALL WEATHER HOURS (L.S.T.): 0900-1100  
CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.4	1.6	.6			1.2					6.5	11.1
NNE	.6		1.8	2.4	3.6	.6	.6					9.5	15.6
NE	1.2	2.4	1.2	4.7	1.8	.6						11.8	11.4
ENE	.6	.6	1.2	.6	1.2	3.0	1.8		.6			9.5	21.3
E		.6	1.8				.6					3.0	12.2
ESE			1.8	3.0	.6							5.3	12.1
SE	.6	2.4	1.8	.6								5.3	7.1
SSE	.6	1.8	.6	.6								3.6	7.0
S			.6	.6	.6	.6						2.4	15.8
SSW	.6	2.4	2.4	3.0		.6						8.9	9.5
SW	1.2	.6	1.8		.6	.6						4.7	9.8
WSW		3.7	2.4	1.2	1.2	1.2	.6	.6				10.1	14.7
W	.6	1.8	.6									3.0	5.2
WNW	1.2	1.8	1.2	.6								4.7	5.8
NW		1.2	2.4	3.6	.6							7.7	10.0
NNW		.6	.6	1.2	1.2		.6					4.1	15.1
VARBL													
CALM													
	7.7	21.3	23.7	22.5	11.2	7.1	5.3	.6	.6			100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 169

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00002 MAUI OPTICAL SITE HI SOUTH TOWER 77-79  
STATION STATION NAME YEARS

DEC  
MONTH  
1200-1400  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.4	1.8								6.0	8.8
NNE	1.2	1.2	.6	3.0	1.2	.6	.6					8.4	13.6
NE	.6	1.2	.6	4.8	3.0	3.0	.6					13.8	16.7
ENE		.6	1.2	.6	1.2	1.8		.6	.6	.6		7.2	22.4
E		1.2	1.2		1.2							3.6	10.7
ESE			.6	2.4	.6							3.6	13.7
SE		.6		2.4								3.0	10.4
SSE			1.2									1.2	7.0
S	.6	3.6	.6	1.2	.6	.6						7.2	9.3
SSW	.6	.6	2.4	1.8	1.2	.6						7.2	11.3
SW		.6	3.0	2.4	1.8	.6						8.4	12.3
WSW	1.2		1.2	.6	2.4							5.4	12.2
W	.6	2.4	.6	.6								4.2	6.4
WNW		1.8	3.6	.6	.6							6.6	8.5
NW	3.0	1.8	2.4	1.2								8.4	6.2
NNW		2.4	1.2		.6	1.2		.6				6.0	13.8
VARBL													
CALM													
	8.4	19.2	22.8	23.4	14.4	8.4	1.2	1.2	.6	.6		100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 167

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
DEC  
MONTH  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.3	1.1	1.1								5.1	7.1
NNE	.6		2.9	.6	1.1	3.4		1.1				9.7	18.4
NE	.6	.6	2.9	6.3	3.4	1.1	.6					15.4	14.3
ENE	1.7	1.7	1.7	1.7		2.3	.6	.6				10.3	14.3
E	.6	.6		.6	.6				.6			2.9	17.0
ESE	.6	1.7		.6	1.7	.6						5.1	12.1
SE		.6	1.1	.6	1.1							3.4	12.0
SSE		1.1	2.3		.6							4.0	8.4
S			2.3	1.1	.6							4.0	11.3
SSW		1.7	.6	2.3	.6	1.1						6.3	12.5
SW			.6	1.7	2.3							4.6	15.5
WSW	.6	.6	1.7	3.4	.6							6.9	10.6
W	1.1	1.7	2.9	2.3		.6						8.6	8.6
WNW	.6	.6	2.9	.6		.6						5.1	9.8
NW		.6	1.1	1.7								3.4	10.0
NNW		.6	2.3	.6		1.1		.6				5.1	15.0
VARBL													
CALM													
	6.9	14.3	26.3	25.1	12.6	10.9	1.1	2.3	.6			100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 175

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00000  
STATION

MAUI OPTICAL SITE HI SOUTH TOWER  
STATION NAME

77-79  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	1.1	.6	.6	.6						4.4	9.8
NNE	.6	2.2	3.3	2.8	3.3	3.3	.6					16.1	14.8
NE	.6	.6	3.3	1.7	3.9	1.1	.6	.6				12.2	16.2
ENE				4.4	1.1	1.1		1.1				7.8	19.1
E			.6	1.7		.6	.6	.5				3.9	19.7
ESE		.6		2.2	.6							3.3	12.8
SE	.6	1.1	.6	.6	.6							3.3	8.7
SSE			2.2	1.7								3.9	10.4
S			2.2	2.8	1.7							6.7	12.3
SSW			.6	1.1	1.7	1.1						4.4	16.9
SW	1.7											1.7	2.7
WSW			3.3	5.0	.6							8.9	11.7
W	.6	.6	3.9	3.3								8.3	9.0
WNW	.6	1.1	1.7	1.1								4.4	7.5
NW	.6	.6	2.2	.6	1.1	.6						5.6	10.5
NNW		.6	1.1	1.7	.6	1.1						5.0	13.8
VARBL													
CALM													
	6.1	7.8	26.1	31.1	15.6	9.4	1.7	2.2				100.0	13.2

TOTAL NUMBER OF OBSERVATIONS

180

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00032 STATION MAUI OPTICAL SITE HI SOUTH TOWER 77-79 YEARS  
ALL WEATHER CLASS  
CONDITION  
DEC MONTH  
2100-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5		1.6	1.6	.5	.5						4.3	12.0
NNE	.5		1.1	2.2	1.6		1.6					7.0	16.9
NE	1.1	2.7		5.4	3.2	3.8	.5	1.1	1.1			18.8	18.0
ENE		.5	1.6	2.7	.5	.5	.5	1.6				8.1	18.9
E			1.6	3.2	1.1	.5			.5			7.0	16.2
ESE			2.2	.5	1.6							4.3	12.0
SE			1.1	.5								1.6	11.3
SSE		.5	.5									1.1	7.0
S			1.1	3.8	1.1							5.9	12.0
SSW		1.1	1.1		1.6							3.8	11.3
SW	.5		2.2	2.2	.5							5.4	10.1
WSW		.5	2.7	2.7	.5							6.5	11.3
W	.5	1.6	3.2	3.2	.5							9.1	9.5
WNW	2.2	1.6	1.1	1.1								5.9	6.4
NW	.5	.5	1.1	1.1								3.2	8.7
NNW	1.1		1.6	2.2	.5	1.6	.5					7.5	14.2
VARBL													
CALM													
	7.0	9.1	23.7	32.3	13.4	7.0	3.2	2.7	1.6			100.0	13.6

TOTAL NUMBER OF OBSERVATIONS 196



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 MAUI OPTICAL SITE HI SOUTH TOWER 77-79  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
DEC MONTH  
ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.5	1.0	.6	.2	.2	.1				5.3	11.2
NNE	.6	.5	1.5	2.4	2.1	1.4	.4	.1				9.2	15.5
NE	.6	1.0	1.6	4.1	2.6	2.4	.8	.3	.1			13.5	16.4
ENE	.4	.4	2.1	2.9	1.5	1.6	.5	.8	.1	.1		10.5	17.5
E	.3	.6	1.4	1.6	.5	.1	.1	.1	.1			4.9	12.6
ESE	.1	.9	.7	1.7	.8	.1						4.3	11.3
SE	.3	1.0	.9	.8	.2							3.2	8.6
SSE	.2	.7	1.1	1.1	.1							3.1	9.0
S	.2	.9	1.1	1.7	.6	.2						4.7	10.8
SSW	.3	1.5	1.4	1.6	.9	.5						6.2	11.0
SW	.6	.6	1.7	1.3	1.1	.2						5.6	11.2
WSW	.4	1.0	1.9	2.7	1.0	.2	.1	.1				7.4	12.0
W	.9	1.2	2.1	1.6	.2	.1			.1			6.2	8.7
WNW	.6	.9	2.1	.9	.2	.1						4.8	8.6
NW	.9	.9	1.4	1.6	.5	.1						5.3	9.2
NNW	.5	.9	1.4	1.2	.5	.8	.1	.2				5.6	12.9
VARBL													
CALL													
	1.6	14.1	23.9	28.3	13.4	8.0	2.4	1.7	.5	.1		100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 1403

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MAUI OPTICAL SITE HI SOUTH TOWER 77-80 ALL MONTH  
CLASS ALL  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.5	1.2	1.7	1.1	.5	.2	.1	.0				4.9	10.0
NNE	.4	1.3	2.1	2.4	.8	.3	.1	.0				7.3	11.2
NE	.5	1.4	2.4	2.8	1.1	.4	.1	.0	.0			8.8	11.5
ENE	.4	1.6	3.1	3.7	1.4	.5	.1	.1	.0	.0		10.8	11.9
E	.4	1.5	2.4	2.5	1.2	.5	.1	.0	.0			8.7	11.6
ESE	.4	1.3	2.0	2.0	.6	.2	.0	.0				6.5	10.4
SE	.5	1.5	2.3	2.3	.8	.4	.1	.0				7.8	10.8
SSE	.5	1.0	1.5	1.9	1.0	.7	.3	.1		.0	.0	6.8	13.2
S	.5	1.3	1.3	1.4	.8	.4	.1	.0				5.8	11.1
SSW	.7	1.2	1.1	1.1	.5	.4	.1	.0				5.0	10.5
SW	.8	1.1	1.0	1.1	.5	.3	.1	.1	.0			5.0	10.8
WSW	.7	.9	.9	1.0	.5	.3	.1	.0	.0			4.3	10.7
W	.9	1.2	1.0	.8	.4	.3	.1	.0	.0			4.7	9.8
WNW	.8	1.3	1.0	.6	.3	.1	.0	.0				4.1	8.3
NW	.7	1.3	1.0	1.0	.5	.1	.0	.0				4.6	9.2
NNW	.6	1.1	1.2	1.0	.5	.3	.1	.0				4.8	10.4
VARBL													
CALM													
	9.1	19.8	25.9	26.6	11.3	5.3	1.5	.5	.1	.0	.0	100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 17364